

EXHIBIT A

EXPERT REPORT OF JOWEI CHEN, Ph.D.
September 27, 2019

Plaintiffs' counsel asked me to analyze the House Bill 1020 (S.L. 2019-220) House Districting Plan (hereinafter: "HB 1020 Plan") and the Senate Bill 692 (S.L. 2019-219) Senate Districting Plan (hereinafter: "SB 692 Plan"), as passed by the North Carolina General Assembly on September 19, 2019 and filed with the Court on September 19, 2019. Plaintiffs' counsel also asked me to analyze the individual House districts within five county groupings in the HB 1020 House Plan: 1) Columbus-Pender-Robeson; 2) Forsyth-Yadkin; 3) Cleveland-Gaston; 4) Brunswick-New Hanover; and 5) Guilford.

For these five House county groupings, plaintiffs' counsel asked me to conduct a new set of computer-simulated plans (hereinafter: "Simulation Set 3"), producing 1,000 plans for each of the county grouping. Simulation Set 3 follows the same criteria as Simulation Set 2 from my April 8, 2019 expert report, except that the Simulation Set 3 algorithm intentionally avoids pairing the House incumbents currently in office as of this report, rather than incumbents from earlier years. Aside from avoiding the pairing of the 2019 House incumbents, Simulation Set 3 follows exactly the same non-partisan redistricting criteria as House Simulation Set 2. I made no changes to my computer code used to generate Simulation Set 2 other than changing the home addresses of the incumbents.

Finally, within each of these five House county groupings, plaintiffs' counsel asked me to examine how individual House districts were altered from the House Base Map chosen using a lottery machine on September 11, 2019 (hereinafter: the "Base Map") to the final HB 1020 Plan filed with the Court on September 19, 2019. Specifically, I was asked to analyze how changes from the Base Map to the HB 1020 Plan affected the partisanship and compactness of the districts within each of these five county groupings, as well as the split VTDs and municipalities within these county groupings.

Measuring the Partisanship of Districts: Throughout this report, I use the same 2010-2016 Statewide Election Composite to measure the partisanship of all House and Senate districts in North Carolina. As explained on pages 20-21 of my April 8, 2019 expert report, the 2010-2016 Statewide Election Composite calculates the Democratic vote share of any legislative district in North Carolina using the results from ten statewide elections held during 2010-2016. These ten statewide elections are the same elections that the Joint Select Committee on

Redistricting considered during its 2017 redistricting process, as announced by Representative David Lewis during the Committee's August 10, 2017 meeting.

Statewide Analysis of the HB 1020 and SB 692 Plans:

The HB 1020 House Plan: Using the 2010-2016 Statewide Election Composite, the HB 1020 House Plan contains 44 Democratic-favoring districts and 76 Republican-favoring districts. Figure 1 compares the statewide partisanship of the HB 1020 Plan to the 1,000 computer-simulated plans in House Simulation Set 1 (following only non-partisan redistricting criteria), as described in my April 8, 2019 expert report. Similarly, Figure 2 compares the statewide partisanship of the HB 1020 Plan to the 1,000 computer-simulated plans in House Simulation Set 2 (following non-partisan redistricting criteria and avoiding incumbent pairings) from the April 8 report.

Figures 1 and 2 reveal that the HB 1020 House Plan is a partisan outlier when compared to the computer-simulated plans. The HB 1020 Plan creates fewer Democratic districts than 97.8% of the simulated plans in House Simulation Set 2 (Figure 2). The HB 1020 Plan creates 44 Democratic districts, whereas 97.8% of the House Simulation Set 2 plans create 45 to 51 Democratic districts. Similarly, the HB 1020 Plan creates fewer Democratic districts than 94.6% of the computer-simulated plans in House Simulation Set 1.

The SB 692 Senate Plan: As measured using the same 2010-2016 Statewide Election Composite, the SB 692 Senate Plan contains 19 Democratic districts and 31 Republican districts. Figure 3 compares the statewide partisanship of the SB 692 Plan to the 1,000 computer-simulated plans in Senate Simulation Set 1 (following only non-partisan redistricting criteria), as described in my April 8, 2019 report. Similarly, Figure 4 compares the statewide partisanship of the SB 692 Plan to the 1,000 computer-simulated plans in Senate Simulation Set 2 (following non-partisan redistricting criteria and avoiding incumbent pairings) from the April 8 report.

Overall, Figures 3 and 4 reveal that the partisanship of the SB 692 Senate Plan is not an extreme statistical outlier when compared to Senate Simulation Sets 1 and 2. The SB 692 Plan's creation of 19 Democratic districts is an outcome observed in 32.1% and 25% of the computer-simulated plans in Senate Simulation Sets 1 and 2, respectively.

Figure 1:
House Simulation Set 1 (Following Only Non-Partisan Redistricting Criteria):
Democratic-Favoring Districts in HB 1020 House Plan Versus 1,000 Simulated Plans
(Measured Using 2010–2016 Election Composite)

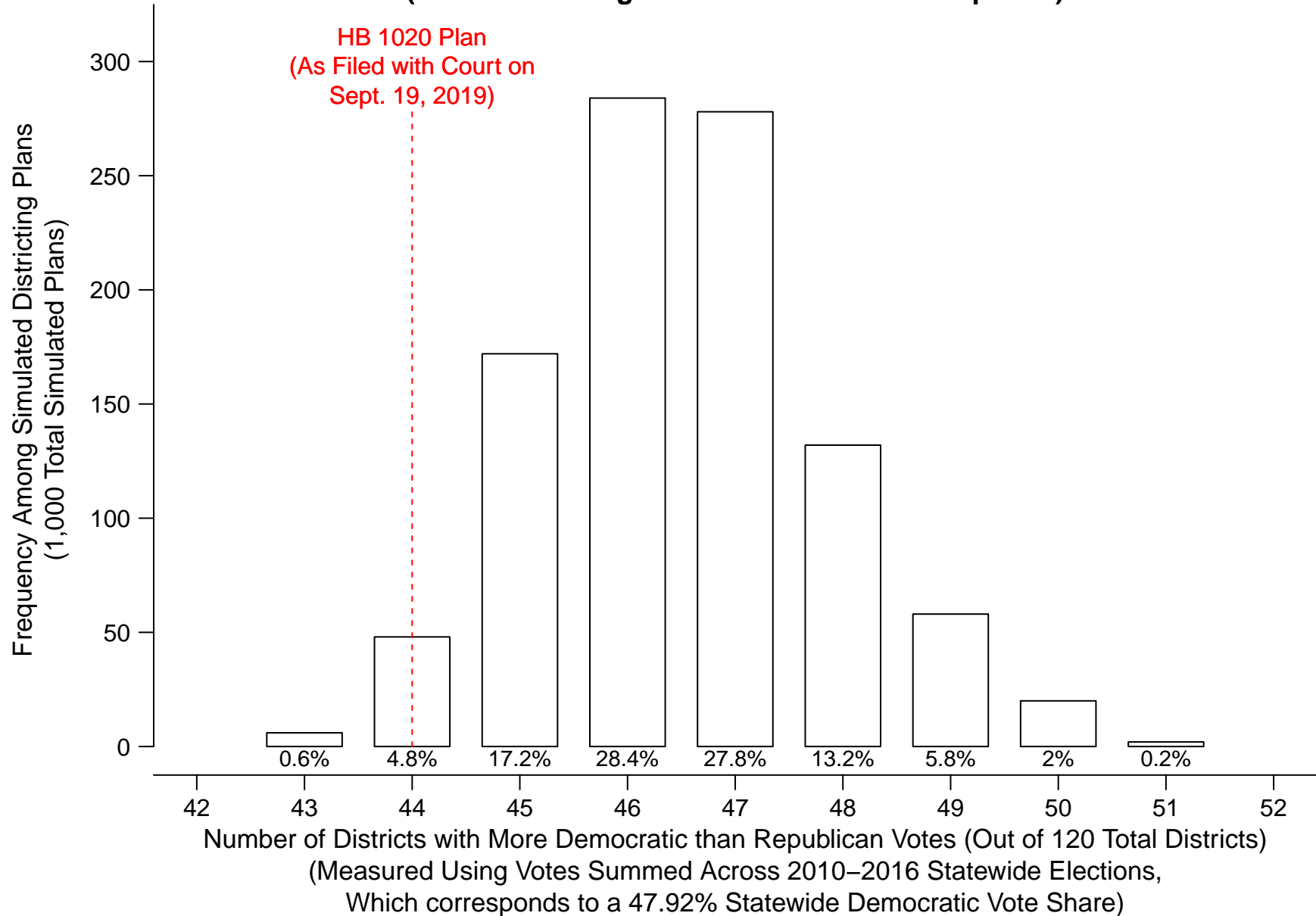


Figure 2:
House Simulation Set 2 (Following Non-Partisan Redistricting Criteria and Avoiding Incumbent Pairings):
Democratic-Favoring Districts in HB 1020 House Plan Versus 1,000 Simulated Plans
(Measured Using 2010–2016 Election Composite)

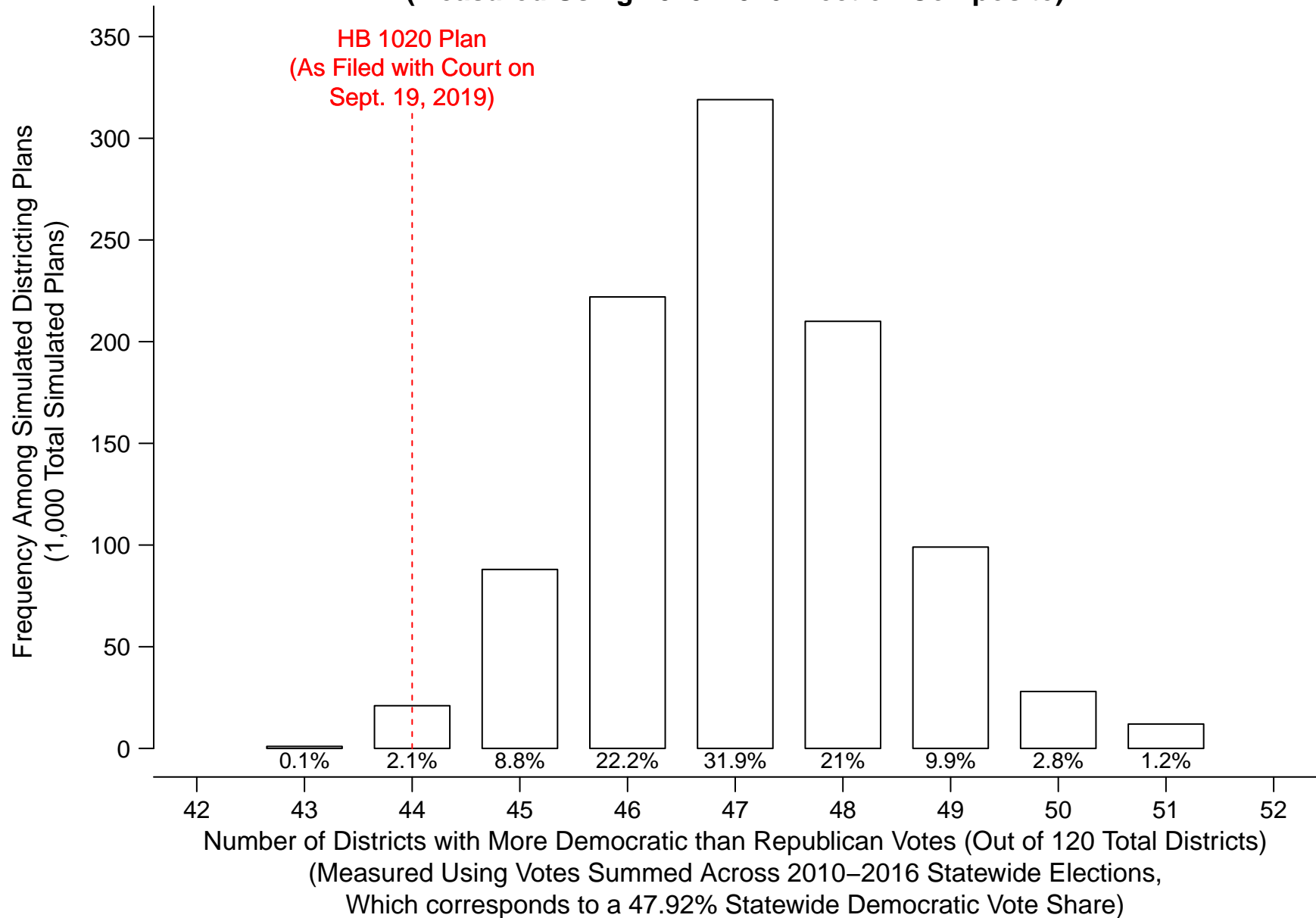


Figure 3:
Senate Simulation Set 1 (Following Only Non-Partisan Redistricting Criteria):
Democratic-Favoring Districts in SB 692 Senate Plan Versus 1,000 Simulated Plans
(Measured Using 2010–2016 Election Composite)

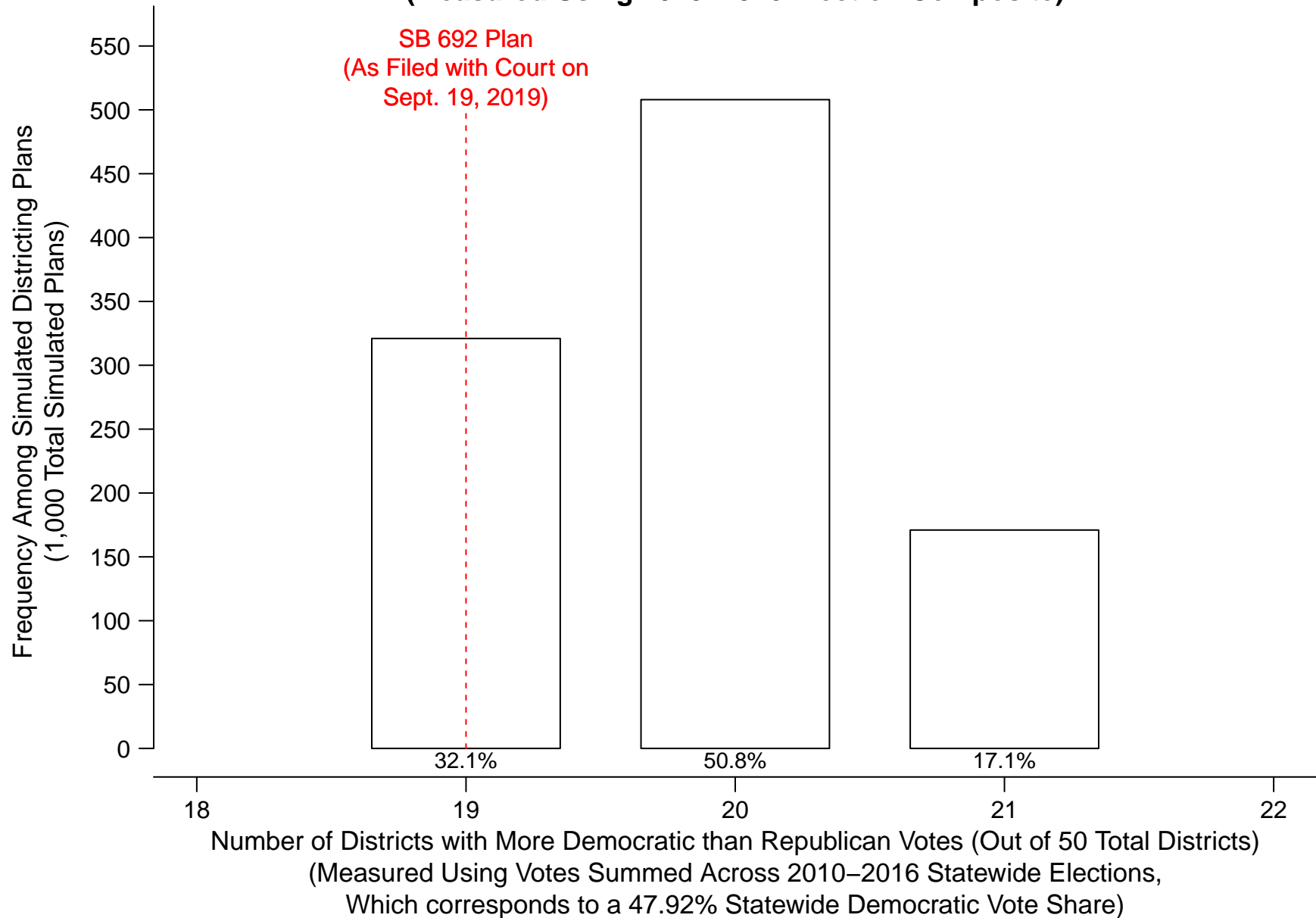
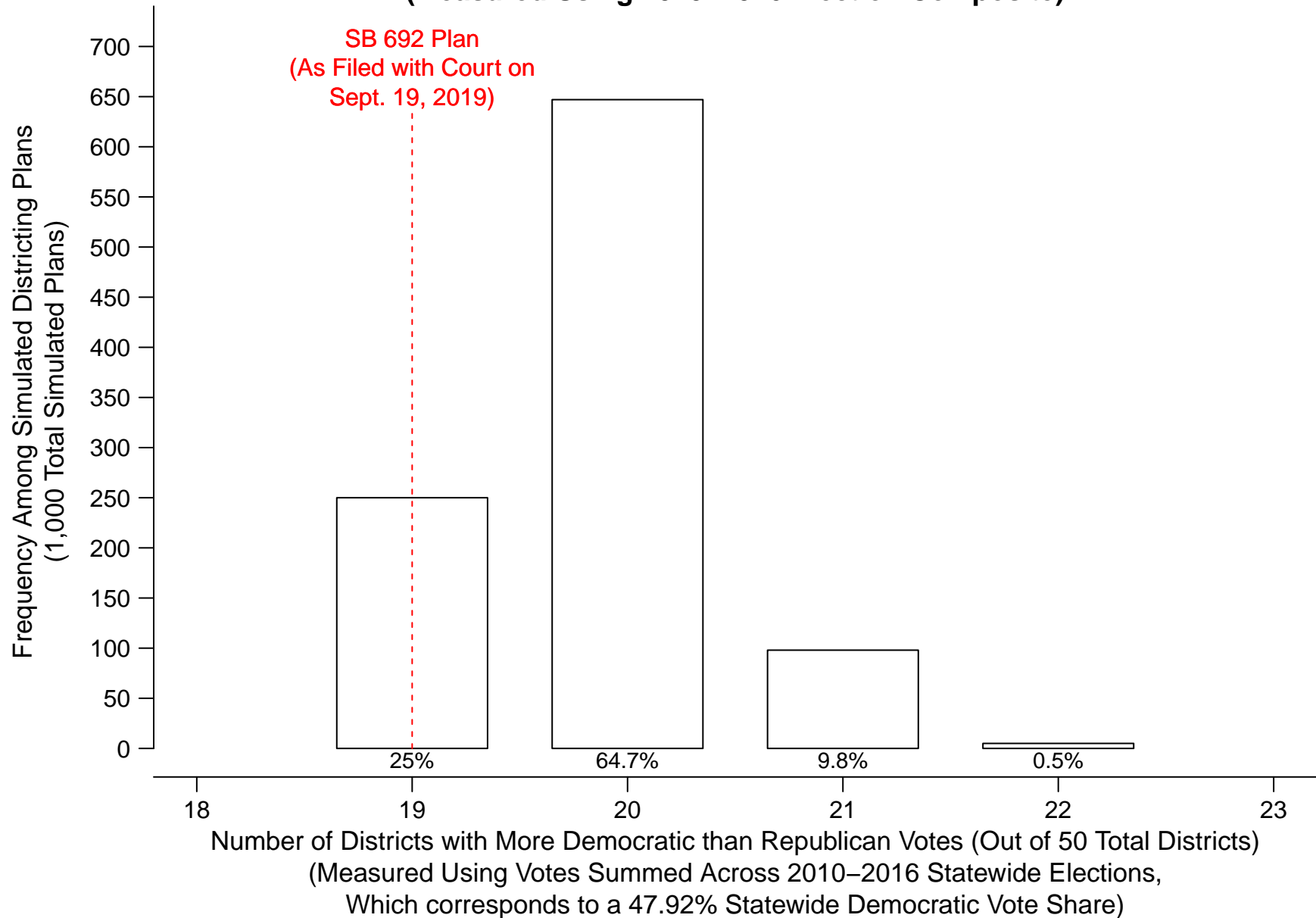


Figure 4:
Senate Simulation Set 2 (Following Non-Partisan Redistricting Criteria and Avoiding Incumbent Pairings):
Democratic-Favoring Districts in SB 692 Senate Plan Versus 1,000 Simulated Plans
(Measured Using 2010–2016 Election Composite)



House Simulation Set 3

In my original April 8, 2019 expert report, I conducted House Simulation Set 2 to examine whether the partisan bias of the 2017 House Plan could be explained by an effort to avoid pairing the incumbents holding office when the 2017 House Plan districts were drawn. However, some of these past incumbents were no longer holding office as of the General Assembly's September 2019 redistricting process and have instead been replaced by different incumbents.

Therefore, in order to analyze whether the HB 1020 House Plan districts are partisan outliers relative to the districts that would emerge from a nonpartisan process that avoids pairing the current incumbents, I conducted House Simulation Set 3, which avoids pairing any of the current incumbents in office. In House Simulation Set 3, I produced computer-simulated plans for only the following five county groupings:

- 1) Columbus-Pender-Robeson;
- 2) Forsyth-Yadkin;
- 3) Cleveland-Gaston;
- 4) Brunswick-New Hanover; and
- 5) Guilford.

Table 1 lists the 22 current incumbents representing districts within these five county groupings. In all simulated plans in House Simulation Set 3, none of these 22 incumbents are ever paired in the same district as another incumbent.

Table 1: September 2019 House Incumbents Protected in House Simulation Set 3

House Incumbent:	County:	House District:	VTD:
Carson Smith	Pender	16	LT18
Brenden Jones	Columbus	46	P26
Charles Graham	Robeson	47	11
Evelyn Terry	Forsyth	71	501
Derwin Montgomery	Forsyth	72	402
Walter Zachary	Yadkin	73	NLIB
Debra Conrad	Forsyth	74	809
Donn Lambeth	Forsyth	75	42
Francis Iler	Brunswick	17	17
Deborah Butler	New Hanover	18	W03
Robert Davis	New Hanover	19	M02
Holly Grange	New Hanover	20	H09
John Torbett	Gaston	108	43
Dana Bumgardner	Gaston	109	16
Kelly Hastings	Gaston	110	36
Timothy Moore	Cleveland	111	KM3
Ashton Clemmons	Guilford	57	G22
Amos Quick	Guilford	58	SUM2
Jon Hardister	Guilford	59	RC1
Cecil Brockman	Guilford	60	H05
Mary Harrison	Guilford	61	G15
Joseph Faircloth	Guilford	62	H24

Aside from protecting the current set of incumbents considered by the General Assembly in September 2019, House Simulation Set 3 otherwise followed exactly the same non-partisan redistricting criteria and computer algorithm as House Simulation Set 2. These criteria, which are described in detail in my April 8, 2019 expert report, are briefly summarized as follows:

1) Population Equality within a 5% deviation of the ideal district population: House districts have an ideal district population of 79,462, with an permissible range of 75,489 (95% of the ideal population) to 83,435 (105% of the ideal population).

2) Geographic Contiguity: The computer simulation algorithm requires districts to be geographically contiguous, with contiguity by water permitted.

3) County Groupings: House Simulation Set 3 uses exactly the same county groupings as are used by the HB 1020 House Plan, producing districts that each lie fully within one of the existing county groupings.

4) Minimizing County Traversals: House Simulation Set 3 is programmed such that each county grouping contains only the minimum possible number of county traversals.

5) Geographic Compactness: House Simulation Set 3 follows geographic compactness in exactly the same manner as in House Simulation Set 1 and Set 2, with district compactness measured using the Reock and Polsby-Popper measures.

6) Minimizing Split Precincts: House Simulation Set 3 is programmed to follow Voting Tabulation Districts ("VTD") boundaries in exactly the same manner as in House Simulation Set 1 and Set 2.

7) Following Municipal Boundaries: House Simulation Set 3 is programmed to follow municipality boundaries in exactly the same manner as in House Simulation Set 1 and Set 2.

8) Freezing Districts Drawn by the Special Master: In the Guilford County Grouping, House Simulation Set 3 is programmed to freeze HD-57, HD-61, and HD-62 from the 2017 House Plan in every computer-simulated plan.

9) Avoiding Incumbent Pairings: As described above, House Simulation Set 3 avoids pairing any of the current incumbents listed in Table 1.

As with House Simulation Set 1 and Set 2 from my April 8, 2019 expert report, House Simulation Set 3 uses no racial or partisan data in constructing districts in these five county groupings.

In the following sections, I analyze the HB 1020 districts within each of five county groupings. For each county grouping, I describe the results of House Simulation Set 3, comparing the computer-simulated districts to the HB 1020 districts with respect to partisanship, compactness, and municipality and VTD splits. For each county grouping, I also describe how the districts were redrawn from the Base Map (September 11, 2019) to the final HB 1020 Plan, as filed with the Court on September 19, 2019. I analyze how changes from the Base Map to the final HB 1020 Plan affected the partisanship and compactness of the districts within each grouping, as well as the municipality and VTD splits within each grouping.

The Columbus-Pender-Robeson County Grouping:

Changes from the Base Map to HB 1020: The Columbus-Pender-Robeson county grouping contains three districts. Table 2a describes how the partisanship of districts in the Columbus-Pender-Robeson county grouping changed from the Base Map (September 11, 2019) to the final HB 1020 House Plan (September 19, 2019), with district partisanship measured using the 2010-2016 Statewide Election Composite. Specifically, the boundary between Districts 46 and 47 was redrawn such that District 46, which had a 53.3% Democratic vote share under the Base Map, decreased in Democratic vote share by 1.93%. Meanwhile, District 16 increased slightly in Democratic vote share from 39.44% to 40.64%.

Comparison of HB 1020 to House Simulation Set 3: For the Columbus-Pender-Robeson county grouping, Figure 5 directly compares the partisan distribution of districts in the HB 1020 Plan to the partisan distribution of districts in each computer-simulated plan in Simulation Set 3. I first order the HB 1020 House Plan's districts within the county grouping from the most to the least-Democratic district, as measured by Democratic vote share (using the 2010-2016 Statewide Election Composite). Next, I analyze each simulated plan from the set of 1,000 simulations and similarly order the simulated plan's districts within the same county grouping from the most to the least-Democratic district. I then directly compare the most-Democratic HB 1020 House Plan district within the county grouping to the most-Democratic simulated district within the same grouping from each of the 1,000 computer-simulated plans. In other words, I compare one district from the HB 1020 House Plan to 1,000 computer-simulated districts, and I compare these districts with respect to their Democratic vote share. I then directly compare the second-most-Democratic district in the county grouping from the HB 1020 Plan to the second-most-

Democratic district within the same grouping from each of the 1,000 simulated plans. I conduct the same comparison for each district in the HB 1020 House Plan within the grouping, comparing the enacted district to its computer-simulated counterparts from each of the 1,000 simulated plans.

The Columbus-Pender-Robeson county grouping contains three districts in the 2017 House Plan, so Figure 5 contains three separate rows. The top row of this Figure directly compares the partisanship of the most-Democratic HB 1020 House Plan district within the county grouping to the partisanship of the most-Democratic district within the same county grouping from each of the 1,000 simulated plans in House Simulation Set 1. The two percentages (in parentheses) in the right margin of this Figure report the percentage of these 1,000 simulated districts that are less Democratic than and more Democratic than the enacted plan district. Similarly, the second row of this Figure compares the second-most-Democratic district within the grouping from each plan, and the third row compares the third-most-Democratic district within the grouping from each plan. In each row of this Figure, the HB 1020 Plan's district is depicted with a red star and labeled in red with its district number (e.g., HD-47); meanwhile, the 1,000 computer-simulated districts are depicted with gray circles.

As second row of Figure 5 illustrates, the second-most-Democratic district in the HB 1020 House Plan (HD-46) is more Republican than 92.2% of the second-most-Democratic districts within this grouping from each of the 1,000 computer-simulated plans. This calculation is also numerically reported in the right margin of the Figure. Meanwhile, the third row of Figure 5 illustrates that the least-Democratic district in the 2017 House Plan (HD-46) is more Democratic than 93.8% of the least-Democratic districts within this grouping from each of the 1,000 computer-simulated plans. Thus, I find that Districts 16 and 46 in the HB 1020 Plan are more extreme in their partisanship than the vast majority (over 90%) of their counterparts from the 1,000 House Simulation Set 3 plans.

Traditional Districting Criteria: Table 2b compares the district-level Reock and Polsby-Popper scores of the Base Map and the HB 1020 Plan within the county grouping. Figure 6 compares the average Reock score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans, while Figure 7 compares the average Polsby-Popper score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans. Figure 8 simultaneously compares the HB 1020 Plan and the House Simulation Set 3

plans in terms of their Reock (horizontal axis) and Polsby-Popper (vertical axis) scores within the county grouping. Finally, Figure 9 compares the number of municipalities within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans, while Figure 10 compares the number of VTDs within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans.

Overall, these results demonstrate it is possible to create a districting plan in the Columbus-Pender-Robeson county grouping that avoids pairing any incumbents while producing higher compactness scores and the same number of municipal and VTD splits as the HB 1020 Plan does. Specifically, 40.2% of the simulated plans have a higher Reock score (Figure 6), and nearly 36.5% of the simulated plans have a higher Polsby-Popper score (Figure 7) than the HB 1020 Plan. Thus, I found in House Simulation Set 3 that it is possible to create a version of this county grouping that avoids pairing any of the current (September 2019) incumbents while achieving a higher Reock and/or Polsby-Popper score than the HB 1020 and splitting no municipalities and no VTDs.

**Table 2a: Columbus-Pender-Robeson County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

Columbus-Pender-Robeson County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Democratic Vote Share:	District:	Democratic Vote Share:	Change in Democratic Vote Share From Base Map to HB 1020 Plan
16	39.44%	16	40.64%	1.19%
46	53.30%	46	51.37%	-1.93%
47	53.44%	47	53.44%	0.00%

**Table 2b: Columbus-Pender-Robeson County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

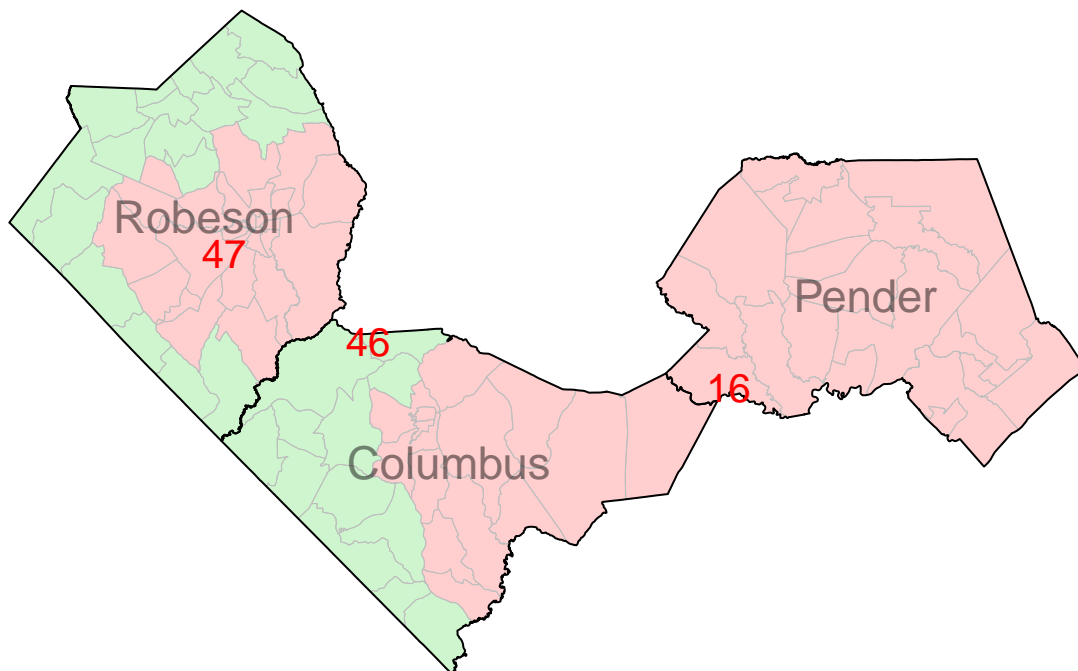
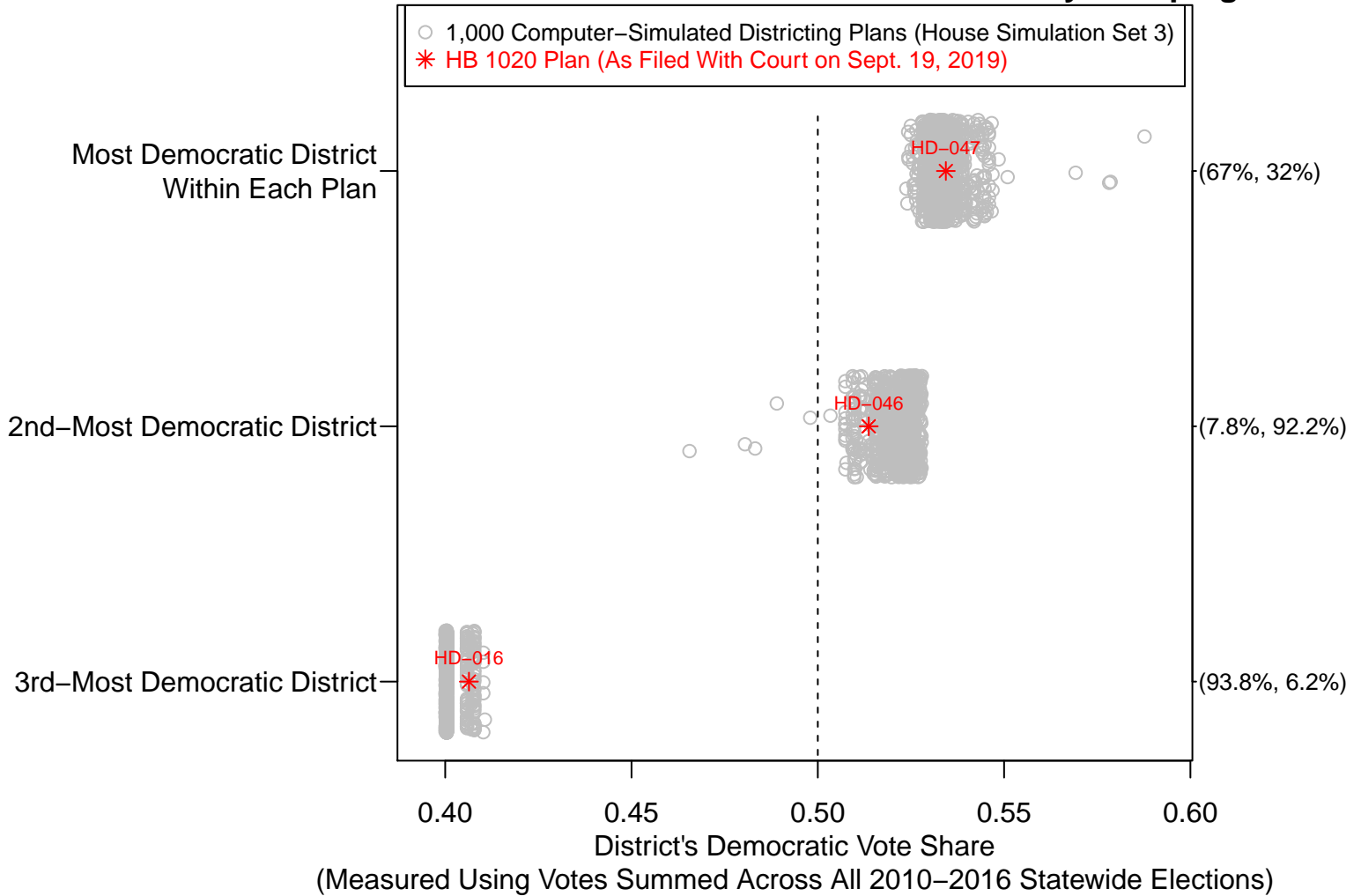
Columbus-Pender-Robeson County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Reock Score:	District:	Reock Score:	Change in Reock Score From Base Map to HB 1020 Plan
16	0.284	16	0.331	0.047
46	0.280*	46	0.202	-0.078
47	0.655	47	0.655	0.000
County Grouping Average:	0.406	County Grouping Average:	0.396	-0.010

Columbus-Pender-Robeson County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Polsby-Popper Score:	District:	Polsby-Popper Score:	Change in Polsby-Popper Score From Base Map to HB 1020 Plan
16	0.181*	16	0.229	0.049
46	0.109*	46	0.118	0.009
47	0.340	47	0.340	0.000
County Grouping Average:	0.210	County Grouping Average:	0.229	0.019

Note: Each district from the 2017 House is compared to the most geographically overlapping district from the final HB 1020 plan, subject to the restriction that each HB 1020 Plan district can only be compared to a single 2017 House Plan district. Each district from each county grouping's base map (selected on September 11, 2019) is compared to the most geographically overlapping district from the final HB 1020 plan.

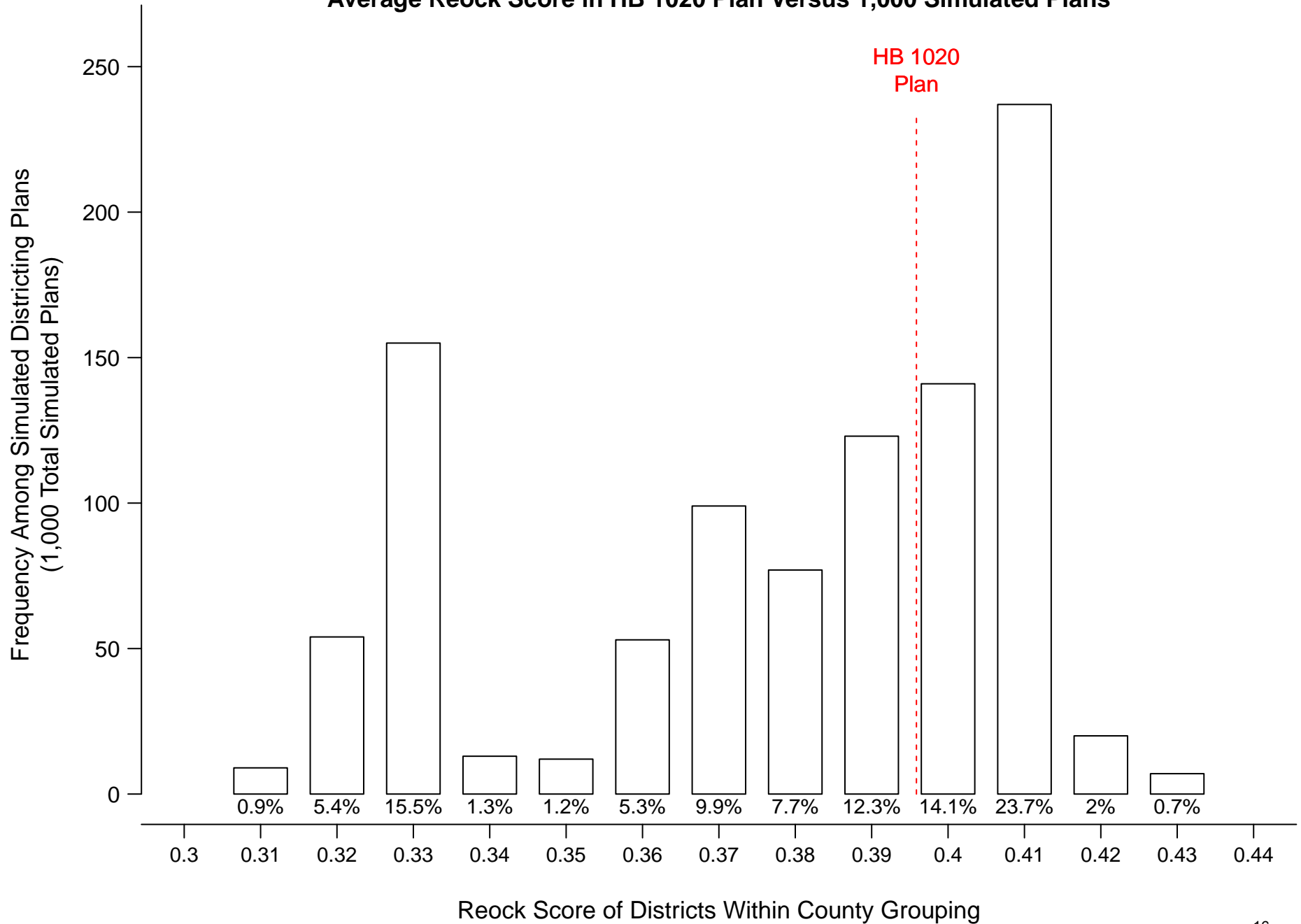
Note: The General Assembly's Stat Pack for the "House Base Map" (URL below), produced on Sept. 11, 2019, incorrectly lists District 16 as having a Polsby-Popper score of 0.21. I downloaded the shapefile of the Columbus-Pender-Robeson base map from the House Redistricting Committee website and verified that Districts 16 actually has a Polsby-Popper score of 0.181. Additionally, the Stat Pack incorrectly lists District 46 as having a Reock score of 0.30 and a Polsby-Popper score of 0.14. I downloaded the shapefile of the Columbus-Pender-Robeson base map from the House Redistricting Committee website and verified that District 46 actually has a Reock score of 0.280 and a Polsby-Popper score of 0.109. The General Assembly's Stat Pack is online at:
<https://www.ncleg.gov/documents/sites/committees/house2019-182/09-12-2019/HouseBaseMapCombinedReports.pdf>

**Figure 5: House Simulation Set 3:
Democratic Vote Share of the HB 1020 and Computer–Simulated Districts
Within the Columbus–Pender–Robeson County Grouping**

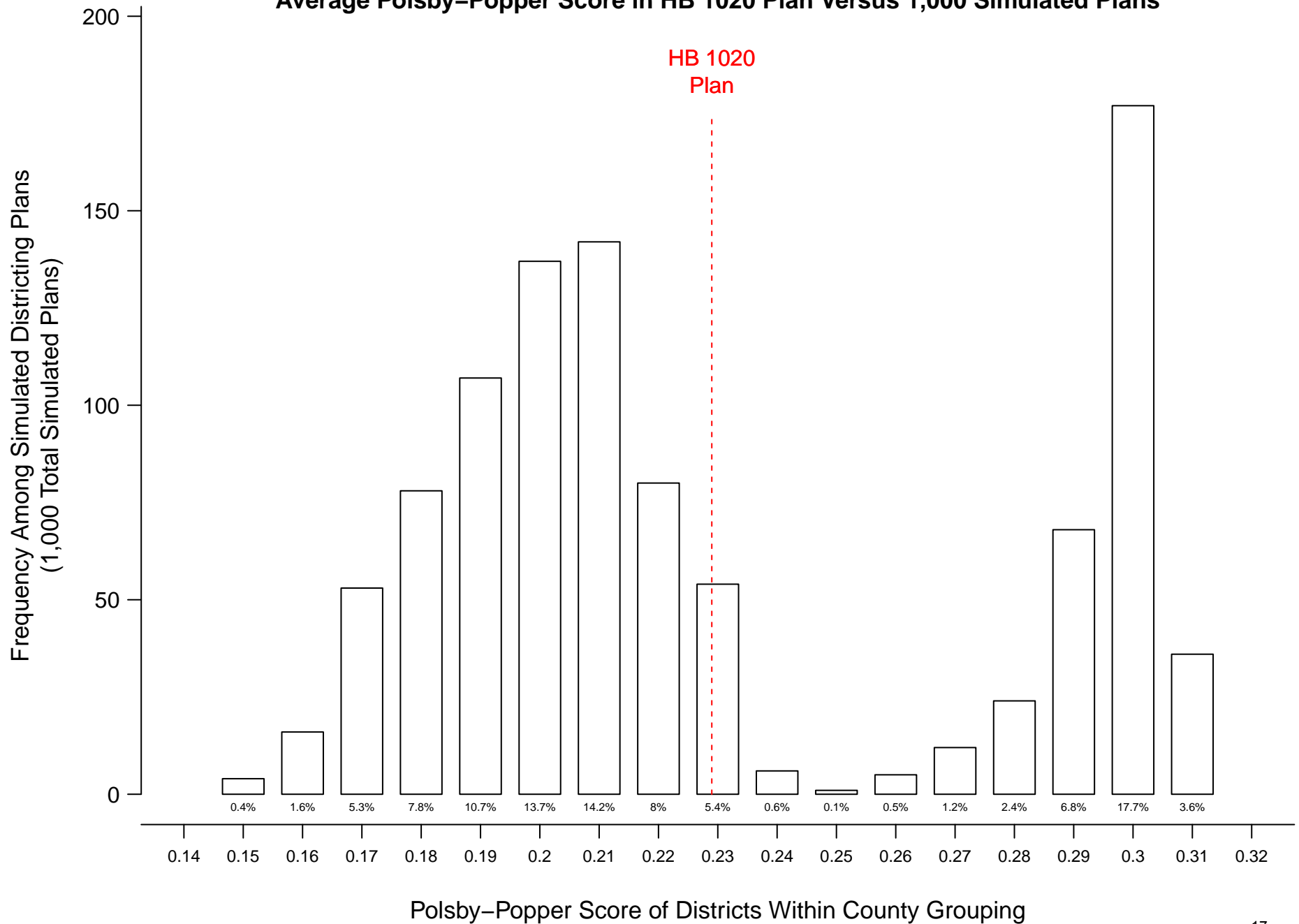


HB 1020 Plan (As Filed With Court on Sept. 19, 2019) (3 Districts)

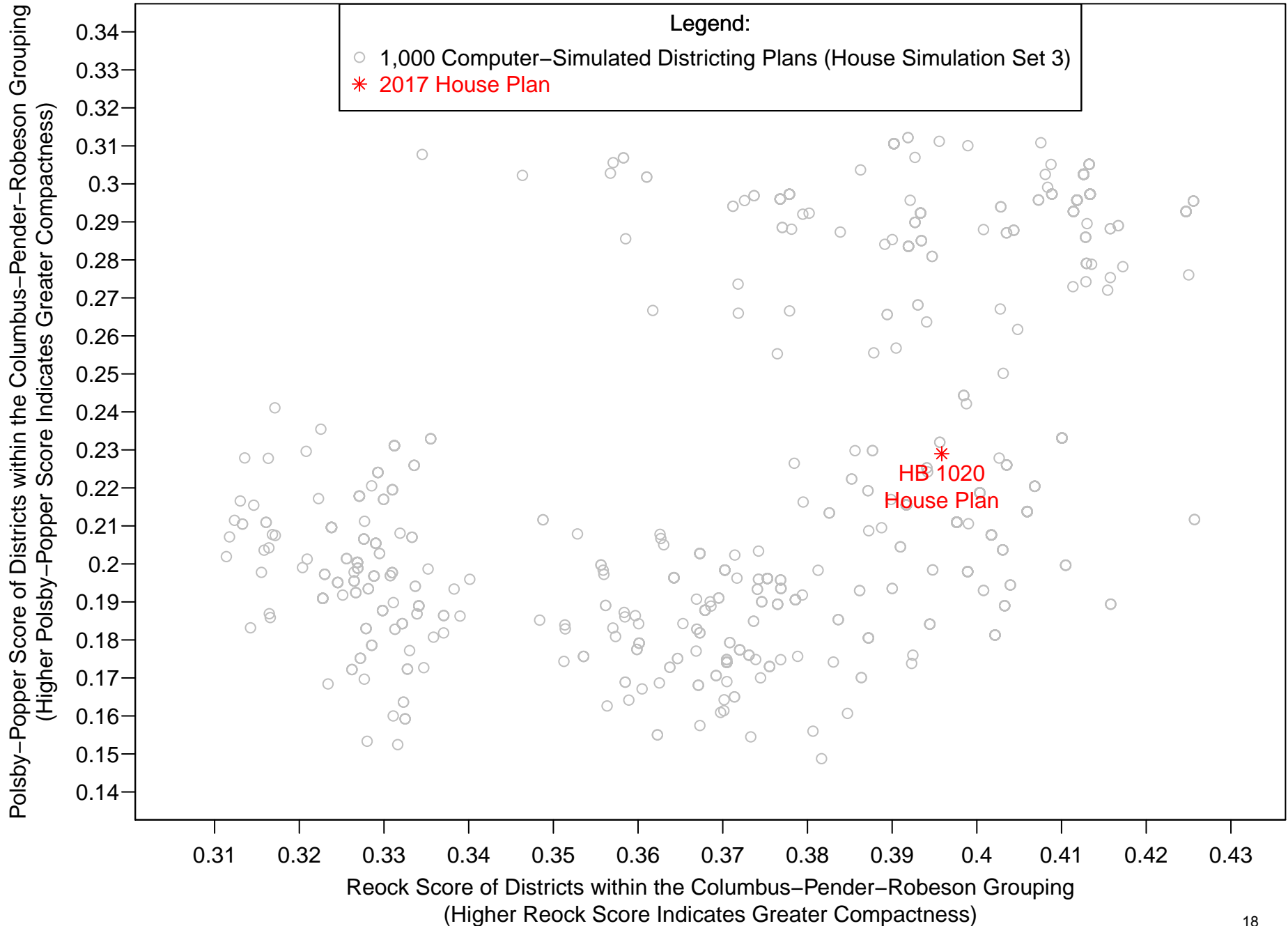
**Figure 6: Columbus–Pender–Robeson County Grouping:
House Simulation Set 3 (Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Reock Score in HB 1020 Plan Versus 1,000 Simulated Plans**



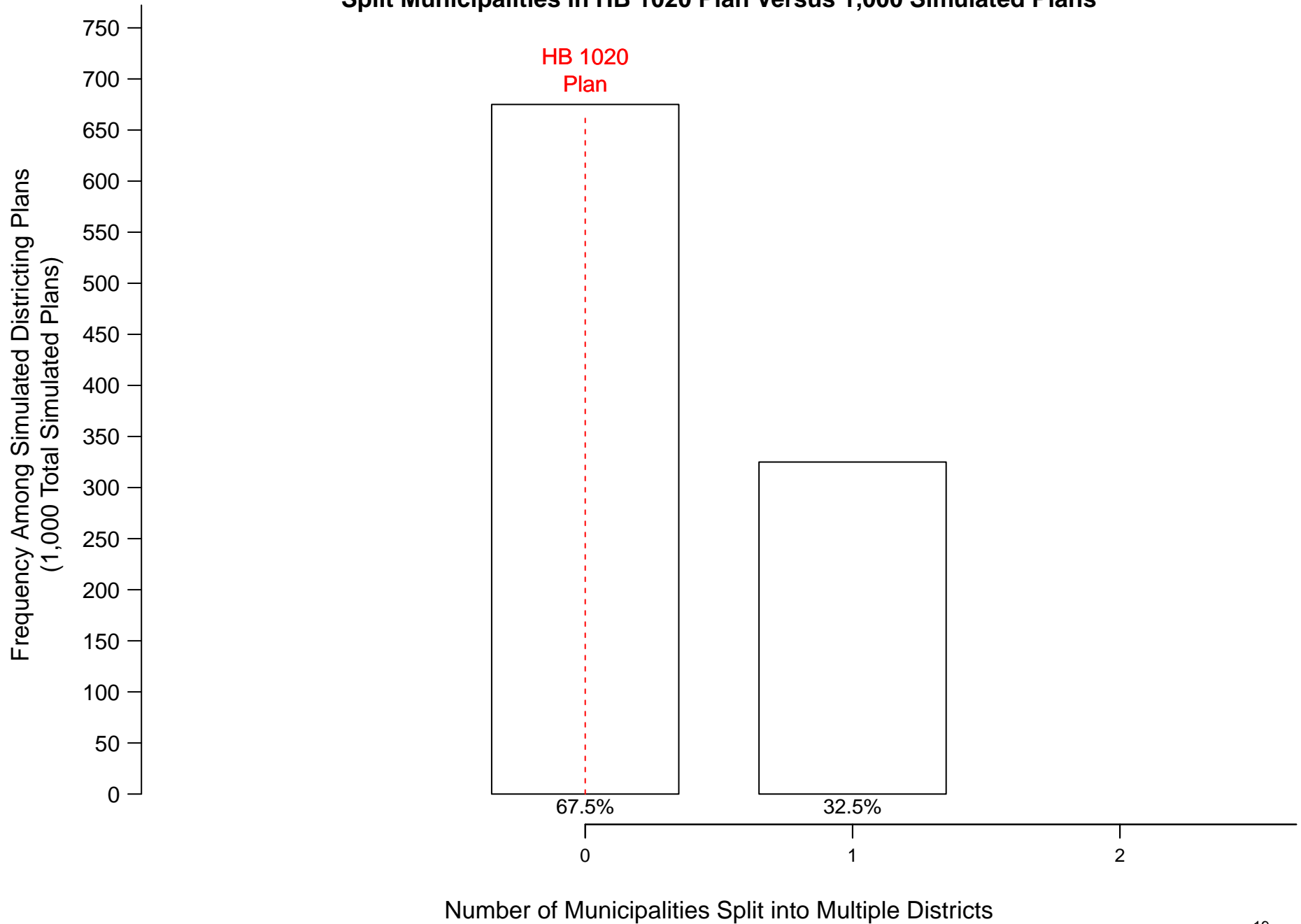
**Figure 7: Columbus–Pender–Robeson County Grouping:
House Simulation Set 3 (Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Polsby–Popper Score in HB 1020 Plan Versus 1,000 Simulated Plans**



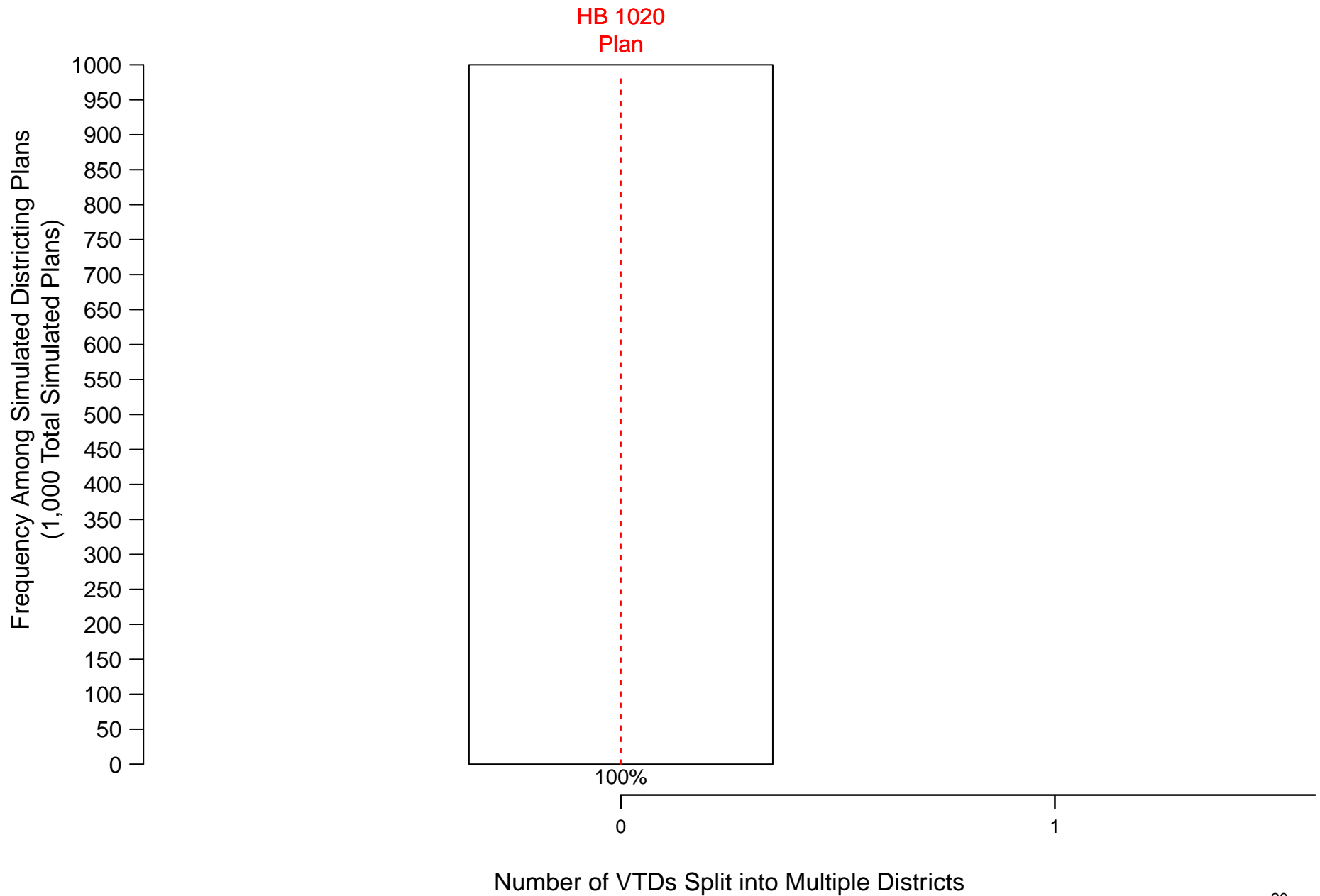
**Figure 8: Columbus–Pender–Robeson County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Comparison of HB 1020 House Plan Versus 1,000 Simulated Plans on Compactness**



**Figure 9: Columbus–Pender–Robeson County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split Municipalities in HB 1020 Plan Versus 1,000 Simulated Plans**



**Figure 10: Columbus–Pender–Robeson County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split VTDs in HB 1020 Plan Versus 1,000 Simulated Plans**



The Forsyth-Yadkin County Grouping:

Changes from the Base Map to HB 1020: The Forsyth-Yadkin county grouping contains five districts. Table 3a describes how the partisanship of districts in the Forsyth-Yadkin county grouping changed from the Base Map (September 11, 2019) to the final HB 1020 House Plan (September 19, 2019), with district partisanship measured using the 2010-2016 Statewide Election Composite. This Table illustrates that District 74 from the Base map decreased significantly in Democratic vote share from 39.72% to 36.24% and was renumbered as District 75 in the final HB 1020 Plan. Meanwhile, the two Democratic districts in the Base Map (Districts 72 and 75) experienced an increase in their Democratic vote share: District 72's Democratic vote share with increased by 1.27%, while District 75 from the Base Map underwent a 2.28% increase in Democratic vote share and was renumbered as District 71 in the final HB 1020 Plan. Meanwhile, The remaining two districts from the Base Map (Districts 71 and 73) did not undergo significant partisan changes, although District 71 from the Base map was renumbered as District 74 in the HB 1020 Plan.

Comparison of HB 1020 to House Simulation Set 3: Figure 11 illustrates that HB 1020's version of the Forsyth-Yadkin county grouping produces four extreme partisan outlier districts when compared to their corresponding House Simulation Set 3 districts. The third and fourth rows of Figure 11 show that Districts 74 and 75 are more heavily Republican than all or nearly all of their respective corresponding districts in the 1,000 computer-simulated plans. Meanwhile, the second and fifth rows of Figure 11 show that Districts 72 and 73 are more Democratic than virtually all of their respective corresponding districts in the 1,000 computer-simulated plans. The partisanship of all four of these districts are statistical outliers compared to the nonpartisan simulations in House Simulation Set 3 that avoid pairing the current incumbents.

Traditional Districting Criteria: Were the HB 1020 districts in the Forsyth-Yadkin county grouping drawn in a manner that followed the non-partisan districting criteria of compactness and preserving municipalities and VTDs?

Table 3b compares the district-level Reock and Polsby-Popper scores of the Base Map and the HB 1020 Plan, within the county grouping. Table 4 details the split municipalities in the county grouping under the Base Map, the HB 1020 Plan, and the 2017 House Plan. Figure 12 compares the average Reock score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans, while Figure 13 compares the average Polsby-Popper

score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans. Figure 14 simultaneously compares the HB 1020 Plan and the House Simulation Set 3 plans in terms of their Reock (horizontal axis) and Polsby-Popper (vertical axis) scores within the county grouping. Finally, Figure 15 compares the number of municipalities within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans, while Figure 16 compares the number of VTDs within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans.

Overall, these results demonstrate it is possible to create a districting plan in the Forsyth-Yadkin county grouping that avoids pairing any incumbents while producing higher compactness scores, the same or fewer municipal splits, and the same number of VTD splits as the HB 1020 Plan does. First, as Table 3b illustrates, the HB 1020 Plan substantially decreases the average Reock score in the grouping from the Base Map, from 0.464 to 0.415, and substantially decreases the average Polsby-Popper from 0.380 to 0.300.

Moreover, these substantial decreases in the compactness of the grouping's districts were not necessary in order to avoid pairing the current incumbents. As illustrated in Figures 12 and 13, virtually all of the 1,000 House Simulation Set 3 plans produce higher Reock and Polsby-Popper scores in the Forsyth-Yadkin grouping than the HB 1020, while also avoiding any incumbent pairings. Over 99% of the House simulation Set 3 plans produce both a higher Reock and a higher Polsby-Popper score than the HB 1020 Plan in this grouping.

The HB 1020 Plan also split more municipalities than necessary to avoid pairing incumbents and more municipalities than were split by the Base Map. The Base Map chosen on September 11, 2019 by the lottery machine split only one municipality (Winston-Salem city). But as detailed in Table 4, the final HB 1020 Plan split two additional municipalities (Kernersville and Walkertown), for a total of three split municipalities.

Overall, it is therefore clear that in creating four partisan outlier districts in the Forsyth-Yadkin county grouping, the HB 1020 Plan significantly subordinated the geographic compactness of the groupings' districts, whether measured using the Reock or Polsby-Popper score. Additionally, the creation of these outliers in partisanship and compactness was not necessary to avoid splitting more municipalities or VTDs.

**Table 3a: Forsyth-Yadkin County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

Forsyth-Yadkin County Grouping:				
Computer-Simulated Plan A737 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Democratic Vote Share:	District:	Democratic Vote Share:	Change in Democratic Vote Share From Base Map to HB 1020 Plan
71 (relabeled to 74)	41.16%	74	41.28%	0.12%
72	67.31%	72	68.58%	1.27%
73	35.60%	73	35.60%	0.00%
74 (relabeled to 75)	39.72%	75	36.24%	-3.48%
75 (relabeled to 71)	69.09%	71	71.37%	2.28%

**Table 3b: Forsyth-Yadkin County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

Forsyth-Yadkin County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Reock Score:	District:	Reock Score:	Change in Reock Score From Base Map to HB 1020 Plan
71 (relabeled to 74)	0.582	74	0.594	0.012
72	0.512	72	0.482	-0.030
73	0.349	73	0.349	0.000
74 (relabeled to 75)	0.448	75	0.389	-0.060
75 (relabeled to 71)	0.428	71	0.261	-0.167
County Grouping Average:	0.464	County Grouping Average:	0.415	-0.049

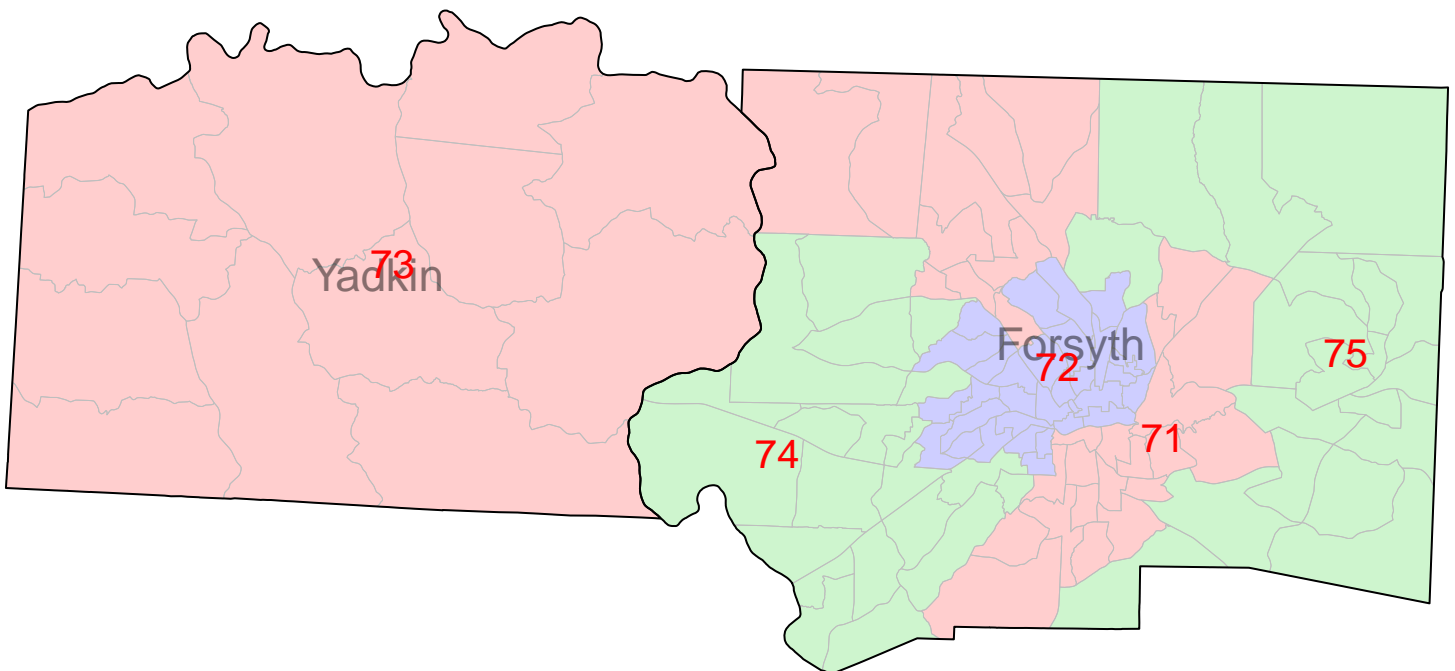
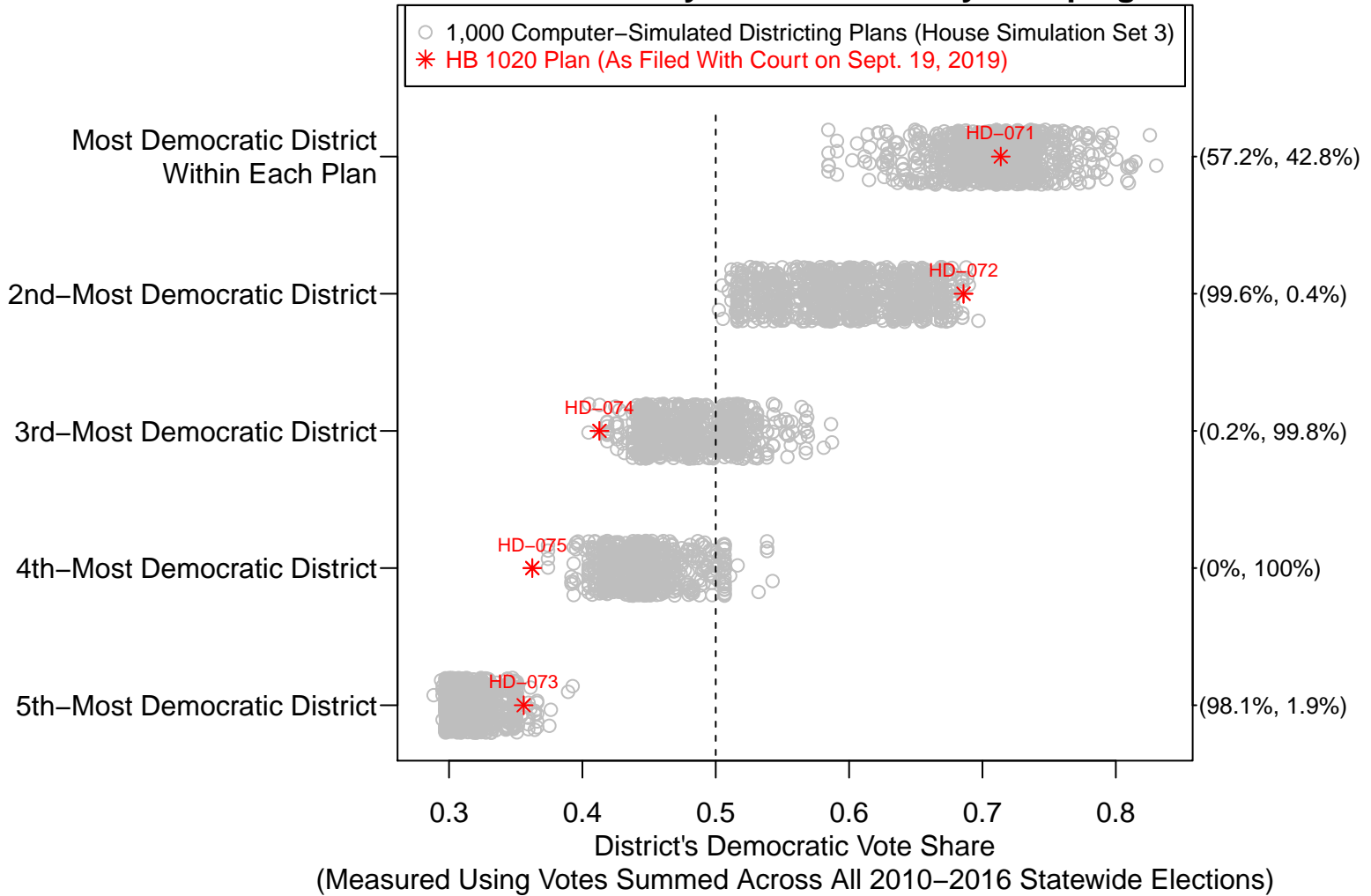
Forsyth-Yadkin County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Polsby-Popper Score:	District:	Polsby-Popper Score:	Change in Polsby-Popper Score From Base Map to HB 1020 Plan
71 (relabeled to 74)	0.359	74	0.337	-0.022
72	0.325	72	0.268	-0.057
73	0.351	73	0.351	0.000
74 (relabeled to 75)	0.465	75	0.265	-0.200
75 (relabeled to 71)	0.398	71	0.278	-0.119
County Grouping Average:	0.380	County Grouping Average:	0.300	-0.080

Note: Each district from the 2017 House is compared to the most geographically overlapping district from the final HB 1020 plan, subject to the restriction that each HB 1020 Plan district can only be compared to a single 2017 House Plan district. Each district from each county grouping's base map (selected on September 11, 2019) is compared to the most geographically overlapping district from the final HB 1020 plan.

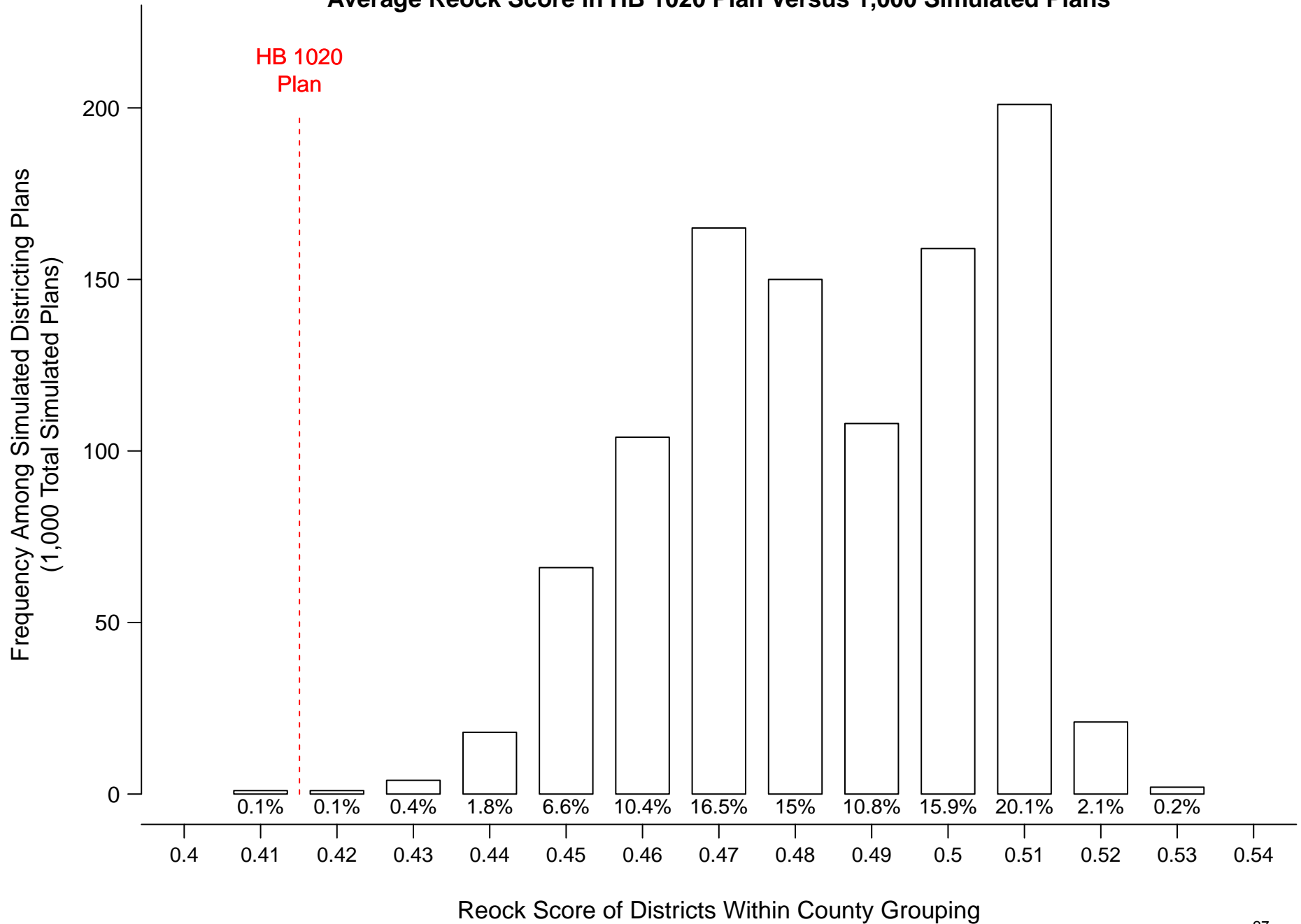
Table 4: Split Municipalities in the 2017 House Plan, the House Base Map (Sept 11, 2019), and the HB 1020 Map (Sept 19, 2019) in the Forsyth-Yadkin County Grouping

County Grouping:	2017 House Plan:	House Base Map (Sept. 11, 2019):	Final HB 1020 (Sept 19, 2019):
Forsyth-Yadkin	Clemmons village (73 and 75) Kernersville town (74 and 75) Lewisville town (73 and 74) Walkertown town (72 and 74) Winston-Salem city (71, 72, 73, 74, and 75)	Winston-Salem city (71, 72, 73, 74 and 75)	Kernersville town (71 and 75) Walkertown town (71 and 75) Winston-Salem city (71, 72, 73, 74, and 75)

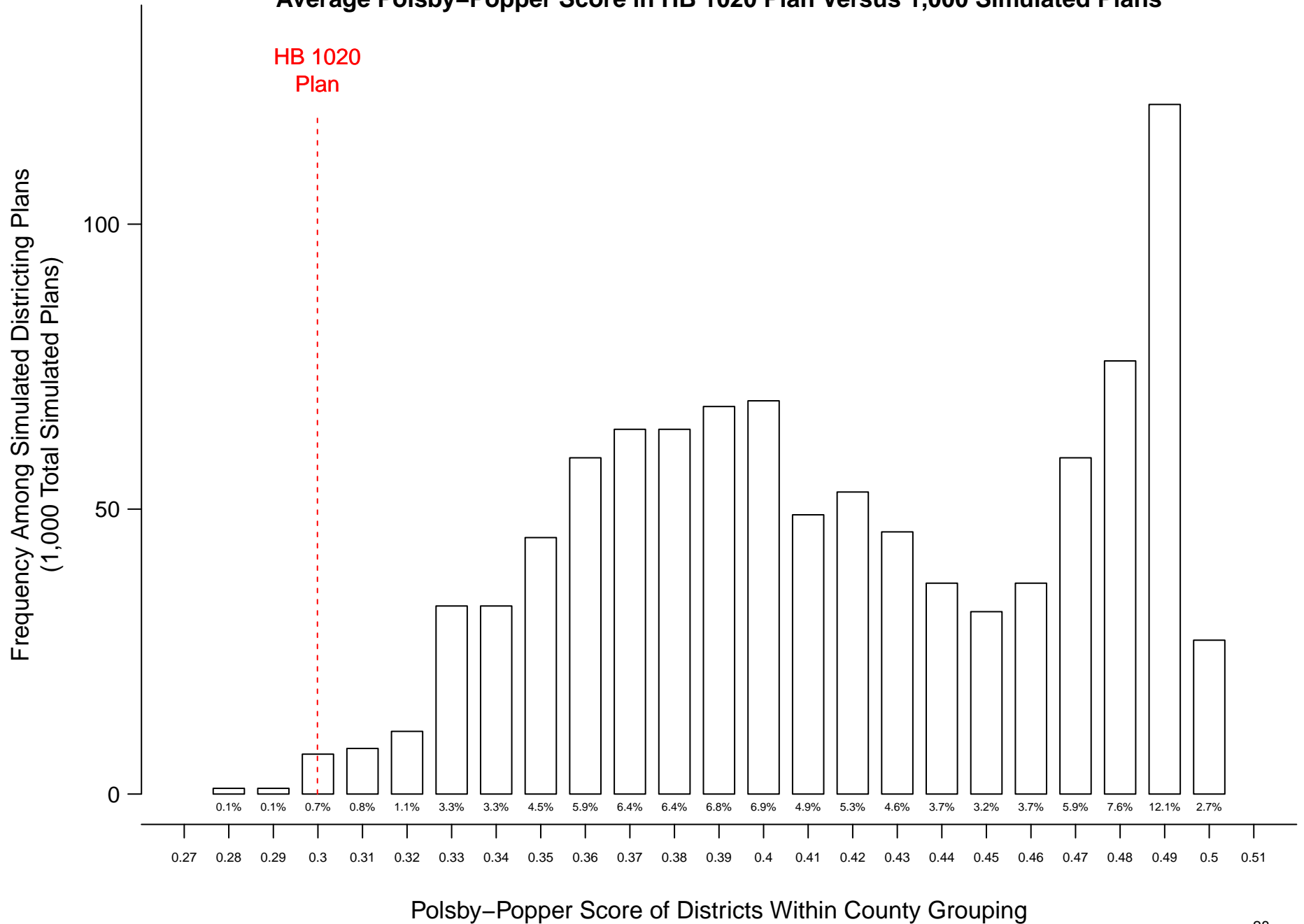
**Figure 11: House Simulation Set 3:
Democratic Vote Share of the HB 1020 and Computer–Simulated Districts
Within the Forsyth–Yadkin County Grouping**



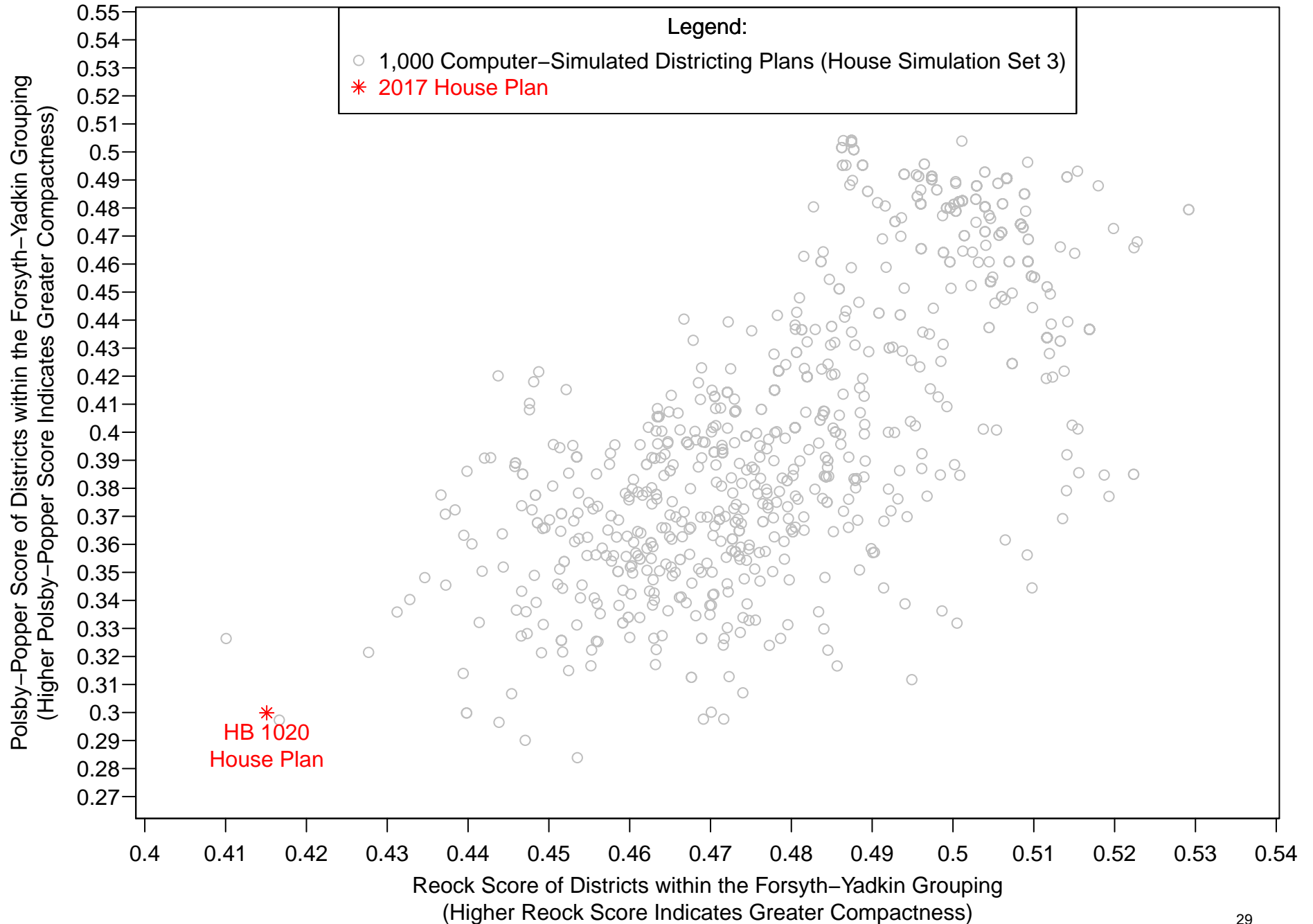
**Figure 12: Forsyth–Yadkin County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Reock Score in HB 1020 Plan Versus 1,000 Simulated Plans**



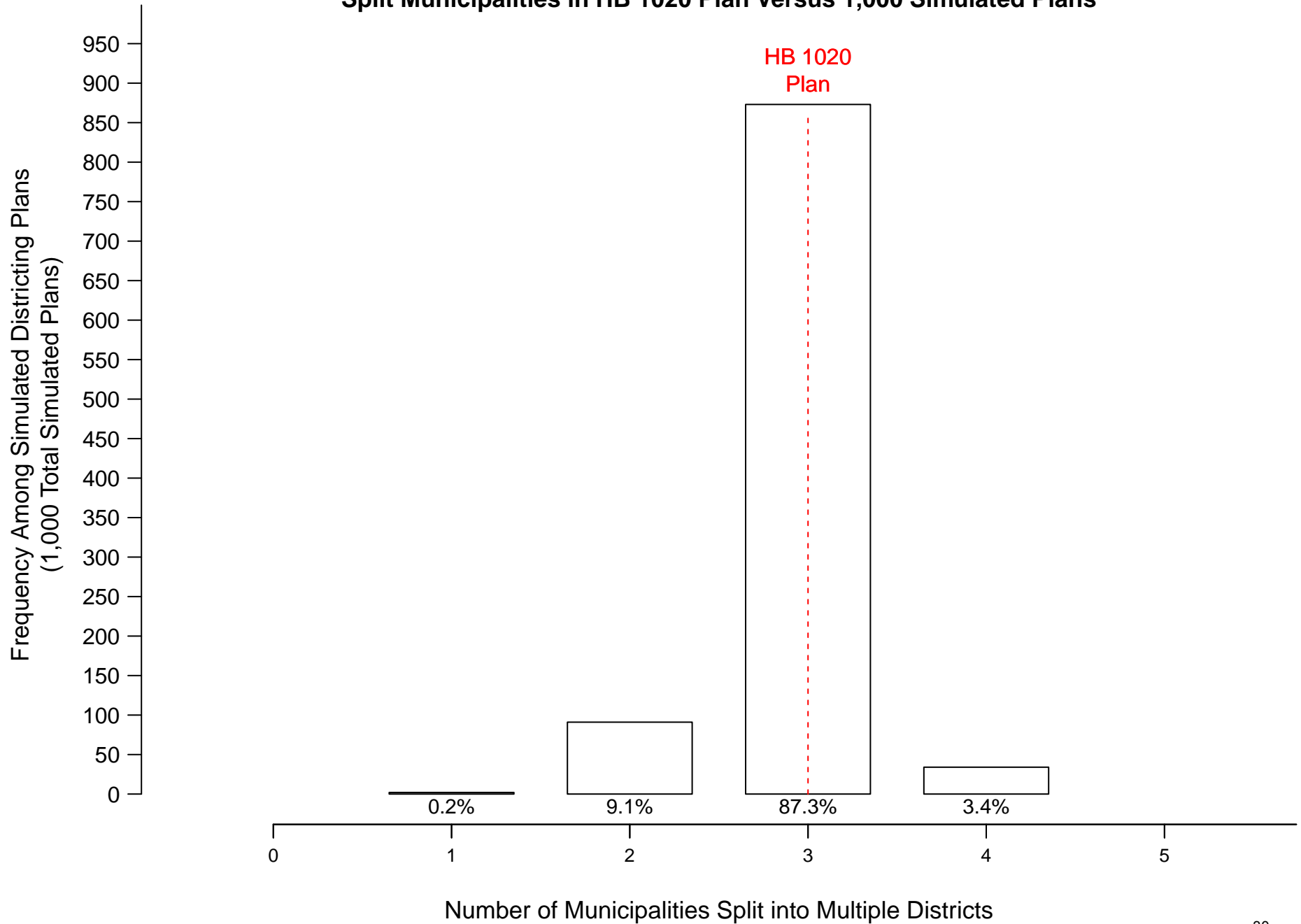
**Figure 13: Forsyth–Yadkin County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Polsby–Popper Score in HB 1020 Plan Versus 1,000 Simulated Plans**



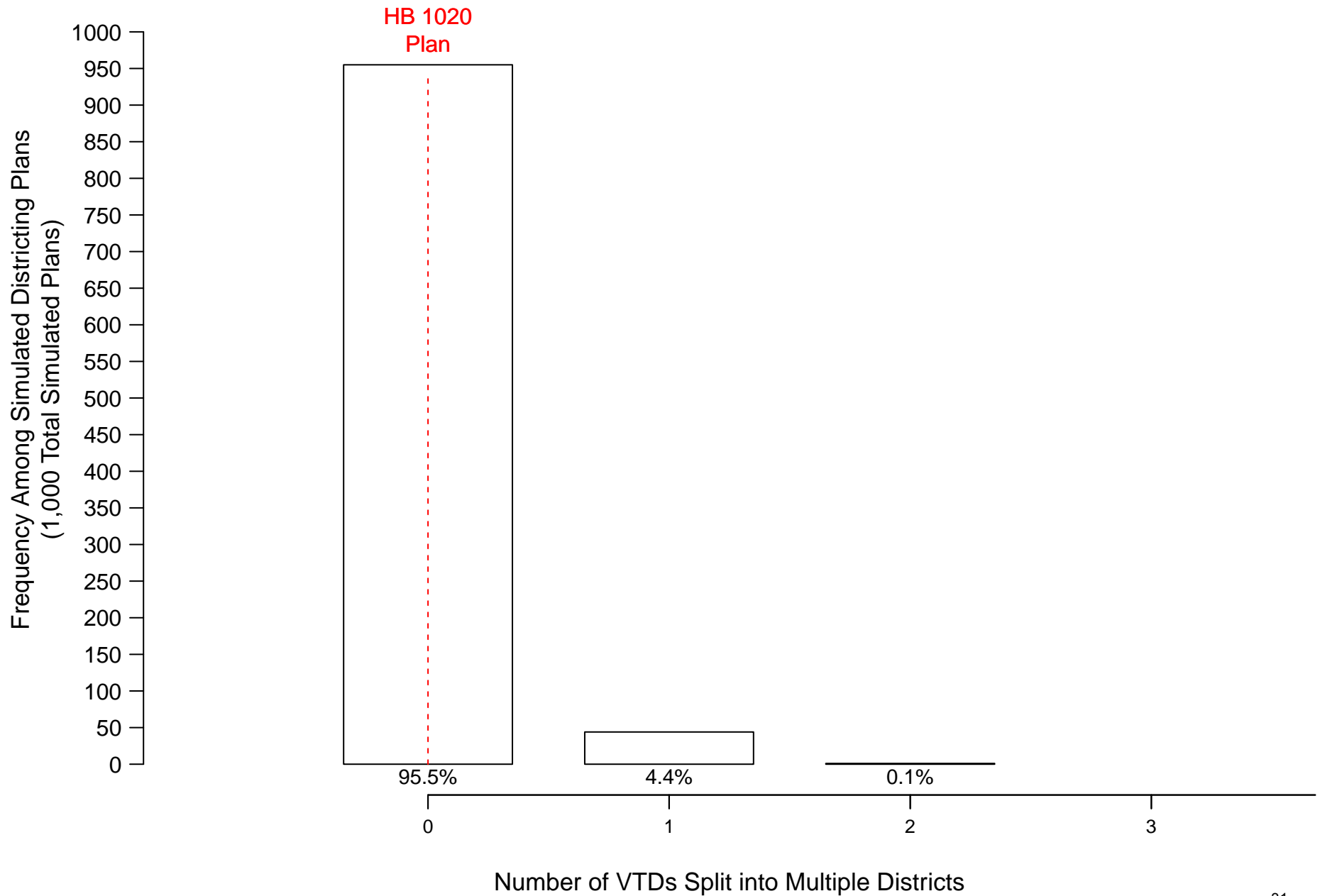
**Figure 14: Forsyth–Yadkin County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Comparison of HB 1020 House Plan Versus 1,000 Simulated Plans on Compactness**



**Figure 15: Forsyth–Yadkin County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split Municipalities in HB 1020 Plan Versus 1,000 Simulated Plans**



**Figure 16: Forsyth–Yadkin County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split VTDs in HB 1020 Plan Versus 1,000 Simulated Plans**



The Cleveland-Gaston County Grouping:

Changes from the Base Map to HB 1020: The Cleveland-Gaston county grouping contains four districts. Two of the districts from the Base Map (September 11, 2019) were substantially redrawn in the final HB 1020 House Plan (September 19, 2019). Table 5a describes how the partisanship of districts in the Cleveland-Gaston county grouping changed from the Base Map to the HB 1020, with district partisanship measured using the 2010-2016 Statewide Election Composite. This Table illustrates how the partisan characteristics of two districts in this grouping were significantly altered from the Base Map to the final HB 1020 Plan. The Democratic vote share of District 108 from the Base Map was significantly decreased from 41.24% to 35.62%. Additionally, the Democratic vote share of District 111 from the Base Map was significantly increased from 26.63% to 31.10%, and the district was renumbered as District 110 in the final HB 1020 Plan. The remaining two districts from the Base Map (Districts 109 and 110) were not changed in the final HB 1020 Plan, although District 110 from the Base Map was renumbered as District 111 in the HB 1020 Plan.

Comparison of HB 1020 to House Simulation Set 3: Figure 17 illustrates that as a result of the substantial changes in the partisanship of two districts from the Base Map, the final HB 1020 Plan produces a partisan outlier. The second row of Figure 17 illustrates that district 108 from the HB 1020 Plan is more heavily Republican than 99% of its corresponding districts in the House Simulation Set 3 plans.

Traditional Districting Criteria: Were the HB 1020 districts in the Cleveland-Gaston county grouping drawn in a manner that followed the non-partisan districting criteria of compactness and preserving municipalities and VTDs?

Table 5b compares the district-level Reock and Polsby-Popper scores of the Base Map and the HB 1020 Plan. Table 6 details the split municipalities and split VTDs in the county grouping under the Base Map, the HB 1020 Plan, and the 2017 House Plan. Figure 18 compares the average Reock score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans, while Figure 19 compares the average Polsby-Popper score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans. Figure 20 simultaneously compares the HB 1020 Plan and the House Simulation Set 3 plans in terms of their Reock (horizontal axis) and Polsby-Popper (vertical axis) scores within the county grouping. Finally, Figure 21 compares the number of municipalities within the county grouping

that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans, while Figure 22 compares the number of VTDs within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans.

Overall, these results demonstrate it is possible to create a districting plan in the Cleveland-Gaston county grouping that avoids pairing any incumbents while producing higher compactness scores, the same number of municipality splits, and fewer VTD splits than the HB 1020 Plan does. First, as Table 5b illustrates, the final HB 1020 Plan noticeably worsened the compactness of the Cleveland-Gaston districts compared to the Base Map's version of the grouping's districts. Specifically, the HB 1020 Plan decreased the average Reock score in the grouping from 0.411 to 0.395 and decreased the average Polsby-Popper from 0.283 to 0.256.

Moreover, these substantial decreases in the compactness of the grouping's districts from the Base Map were not necessary in order to avoid pairing the current incumbents. As illustrated in Figures 18 and 19, virtually all of the 1,000 House Simulation Set 3 plans produce higher Reock and Polsby-Popper scores in the Cleveland-Gaston grouping than the HB 1020, while also avoiding any incumbent pairings. Specifically, 97.2% of the House simulation Set 3 plans produce both a higher Reock and a higher Polsby-Popper score than the HB 1020 Plan in this grouping.

The HB 1020 Plan also split a VTD that was not necessary to avoid pairing incumbents. The Base Map chosen on September 11, 2019 by the lottery machine did not split any VTDs in the Cleveland-Gaston county grouping. But, as detailed in Table 6, the final HB 1020 Plan split a VTD in Gaston County (VTD 39). Moreover, splitting this VTD was not necessary in order to avoid pairing incumbents. As shown in Figure 22, the majority of simulated plans in House Simulation Set 3 split zero VTDs in the Cleveland-Gaston grouping while also avoiding any incumbent pairings.

Finally, note that while the HB 1020 Plan did not split any additional municipalities that were not split under the Base Map, the HB 1020 Plan did exacerbate the degree to which Gastonia city is split. Under the Base Map chosen on September 11, Gastonia was split into only two districts (108 and 109), as detailed in Table 6. But in the final HB 1020 Plan, Gastonia was split into three different districts (108, 109, and 110), just as was the case in the 2017 House Plan.

Overall, it is clear that in creating a partisan outlier in the Cleveland-Gaston county grouping, the HB 1020 Plan significantly subordinated the geographic compactness of the groupings' districts, whether measured using the Reock or Polsby-Popper score. Additionally, the HB 1020 Plan unnecessarily split a VTD that was not split under the original Base Map chosen on September 9, 2019, and it was possible to avoid incumbent pairings without splitting any VTDs at all.

**Table 5a: Cleveland-Gaston County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

Cleveland-Gaston County Grouping:

Computer-Simulated Plan A432 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		Change in Democratic Vote Share From Base Map to HB 1020 Plan
District:	Democratic Vote Share:	District:	Democratic Vote Share:	
108	41.24%	108	35.62%	-5.62%
109	34.97%	109	34.97%	0.00%
110 (relabeled as 111)	40.80%	111	40.80%	0.00%
111	26.63%	110	31.10%	4.47%

**Table 5b: Cleveland-Gaston County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

Cleveland-Gaston County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Reock Score:	District:	Reock Score:	Change in Reock Score From Base Map to HB 1020 Plan
108	0.540	108	0.376	-0.164
109	0.455	109	0.455	0.000
110 (relabeled as 111)	0.447	111	0.447	0.000
111	0.202	110	0.304	0.102
County Grouping Average:	0.411	County Grouping Average:	0.395	-0.016

Cleveland-Gaston County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Polsby-Popper Score:	District:	Polsby-Popper Score:	Change in Polsby-Popper Score From Base Map to HB 1020 Plan
108	0.336	108	0.210	-0.127
109	0.348	109	0.348	0.000
110 (relabeled as 111)	0.311	111	0.311	0.000
111	0.138	110	0.154	0.016
County Grouping Average:	0.283	County Grouping Average:	0.256	-0.028

Note: Each district from the 2017 House is compared to the most geographically overlapping district from the final HB 1020 plan, subject to the restriction that each HB 1020 Plan district can only be compared to a single 2017 House Plan district. Each district from each county grouping's base map (selected on September 11, 2019) is compared to the most geographically overlapping district from the final HB 1020 plan.

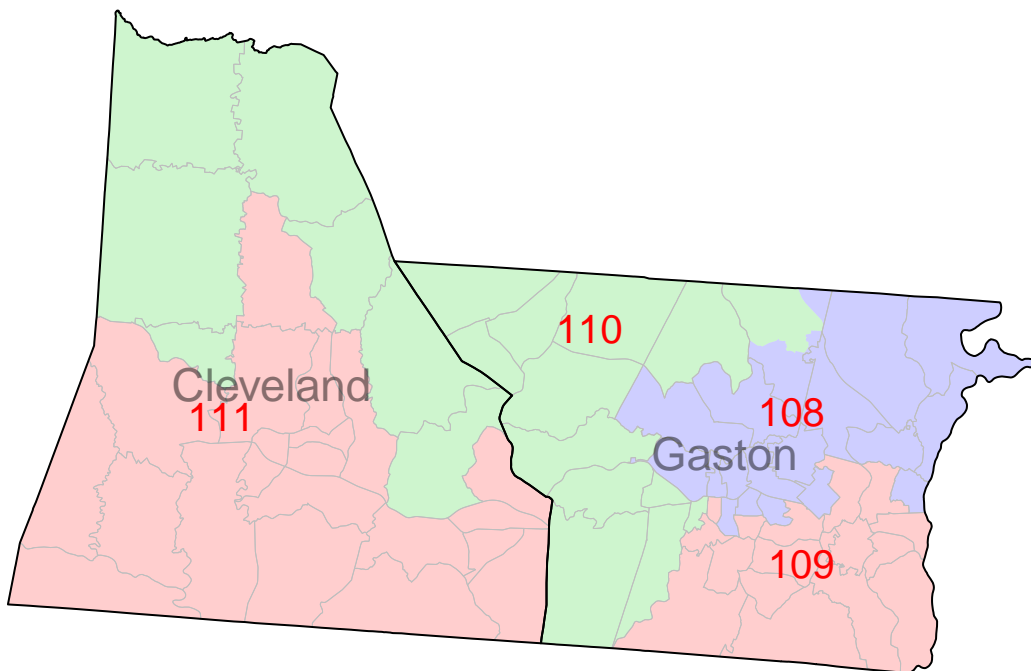
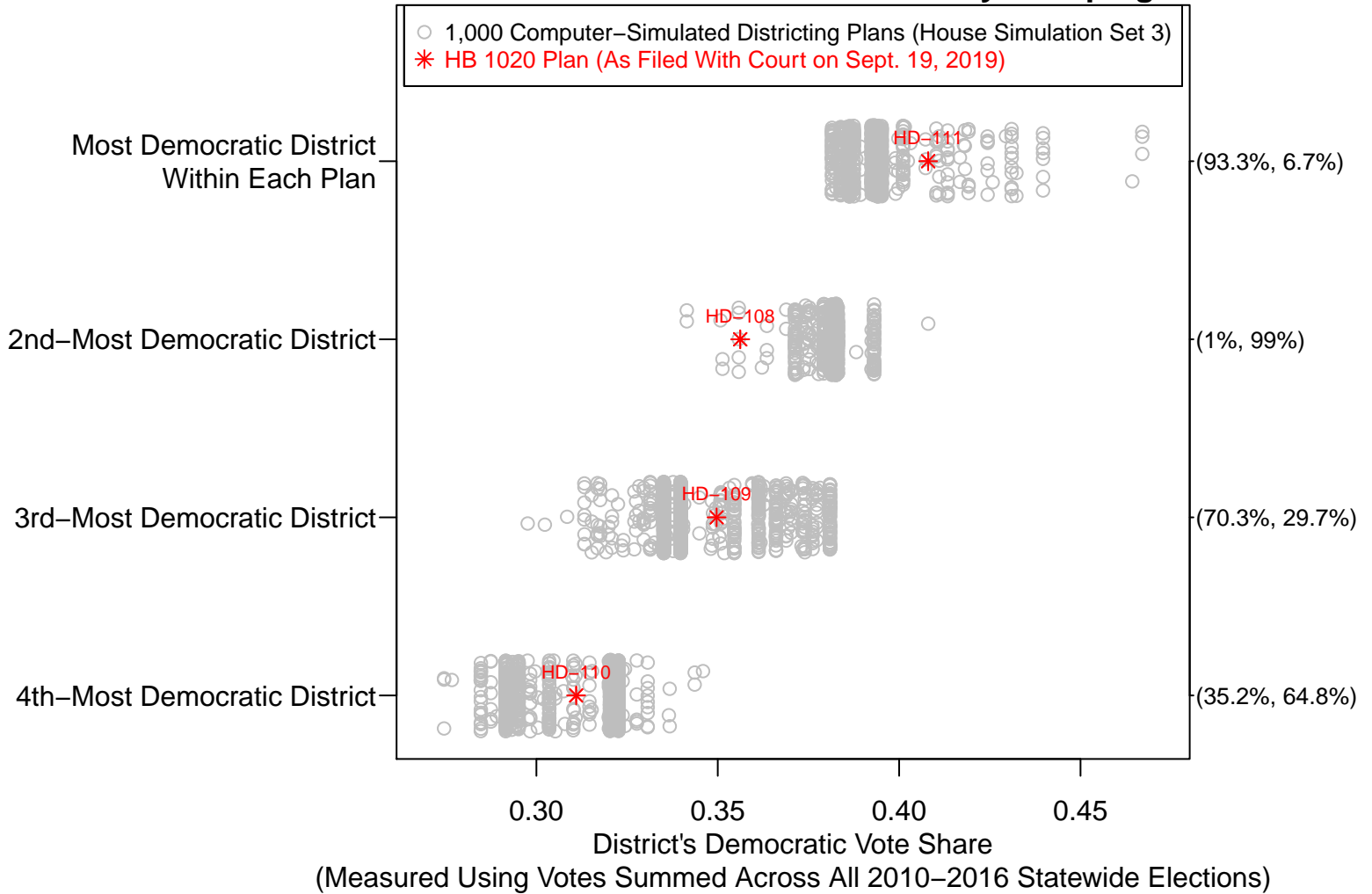
Note: In this county grouping, District 110 from the September 11 Base Map was renumbered as District 111 in the final HB 1020 Plan, even though the boundaries of the district remained the same

Table 6: Split Municipalities and Split VTDs in the 2017 House Plan, the House Base Map (Sept 11, 2019), and the HB 1020 Map (Sept 19, 2019) in the Cleveland-Gaston County Grouping

County Grouping:	2017 House Plan:	House Base Map (Sept. 11, 2019):	Final HB 1020 (Sept 19, 2019):
Cleveland-Gaston	Shelby city (110 and 111) Belmont city (108 and 109) Cramerton town (108 and 109) Gastonia city (108 and 109 and 110) Stanley town (108 and 110)	Gastonia city (108 and 109) Mount Holly city (109 and 111)	Gastonia city (108, 109, and 110) Mount Holly city (108 and 109)

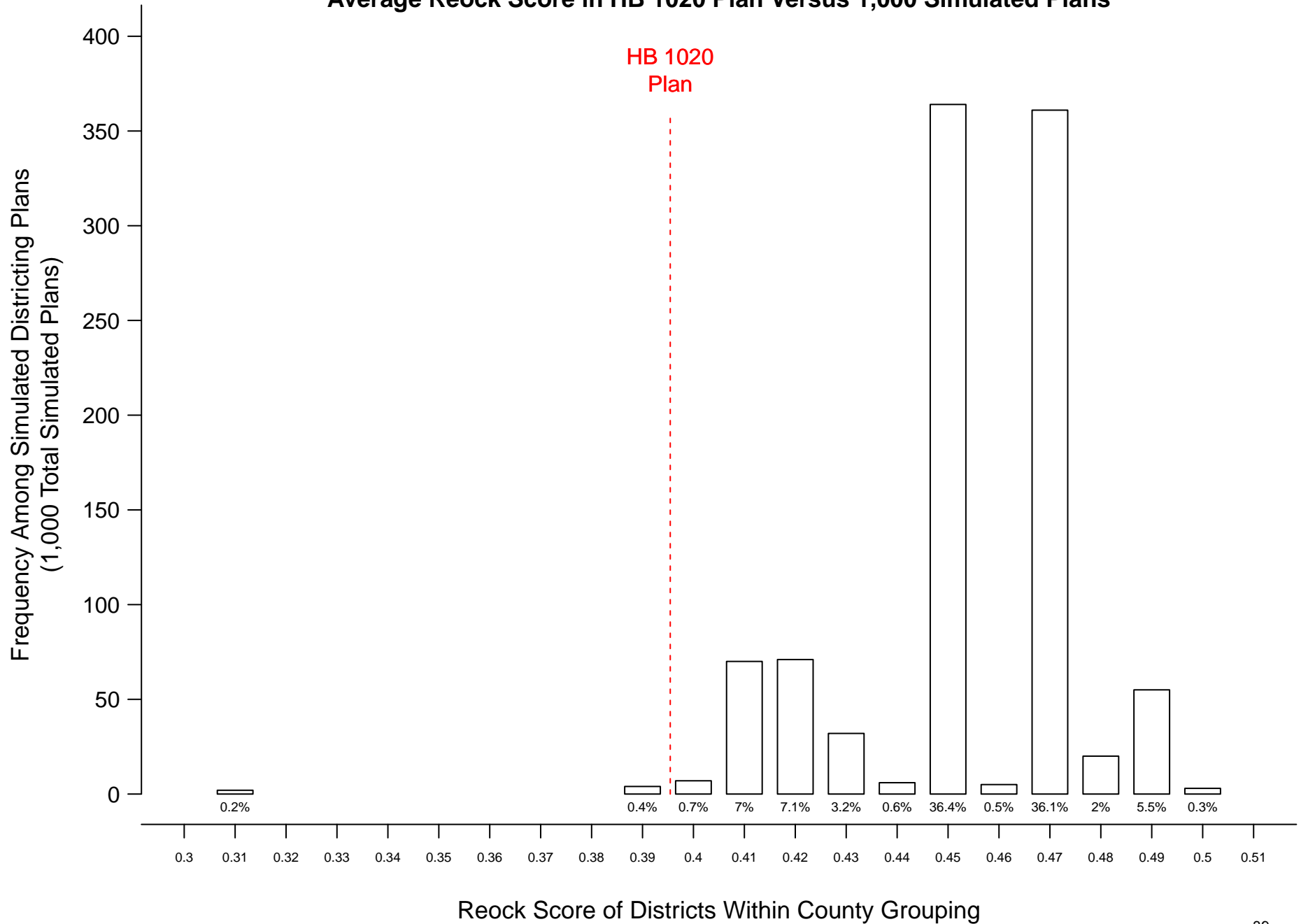
County Grouping:	2017 House Plan:	House Base Map (Sept. 11, 2019):	Final HB 1020 (Sept 19, 2019):
Cleveland-Gaston	VTD 05 (Gaston County) (109 and 110)	none	VTD 39 (Gaston County) (108 and 110)

**Figure 17: House Simulation Set 3:
Democratic Vote Share of the HB 1020 and Computer–Simulated Districts
Within the Cleveland–Gaston County Grouping**

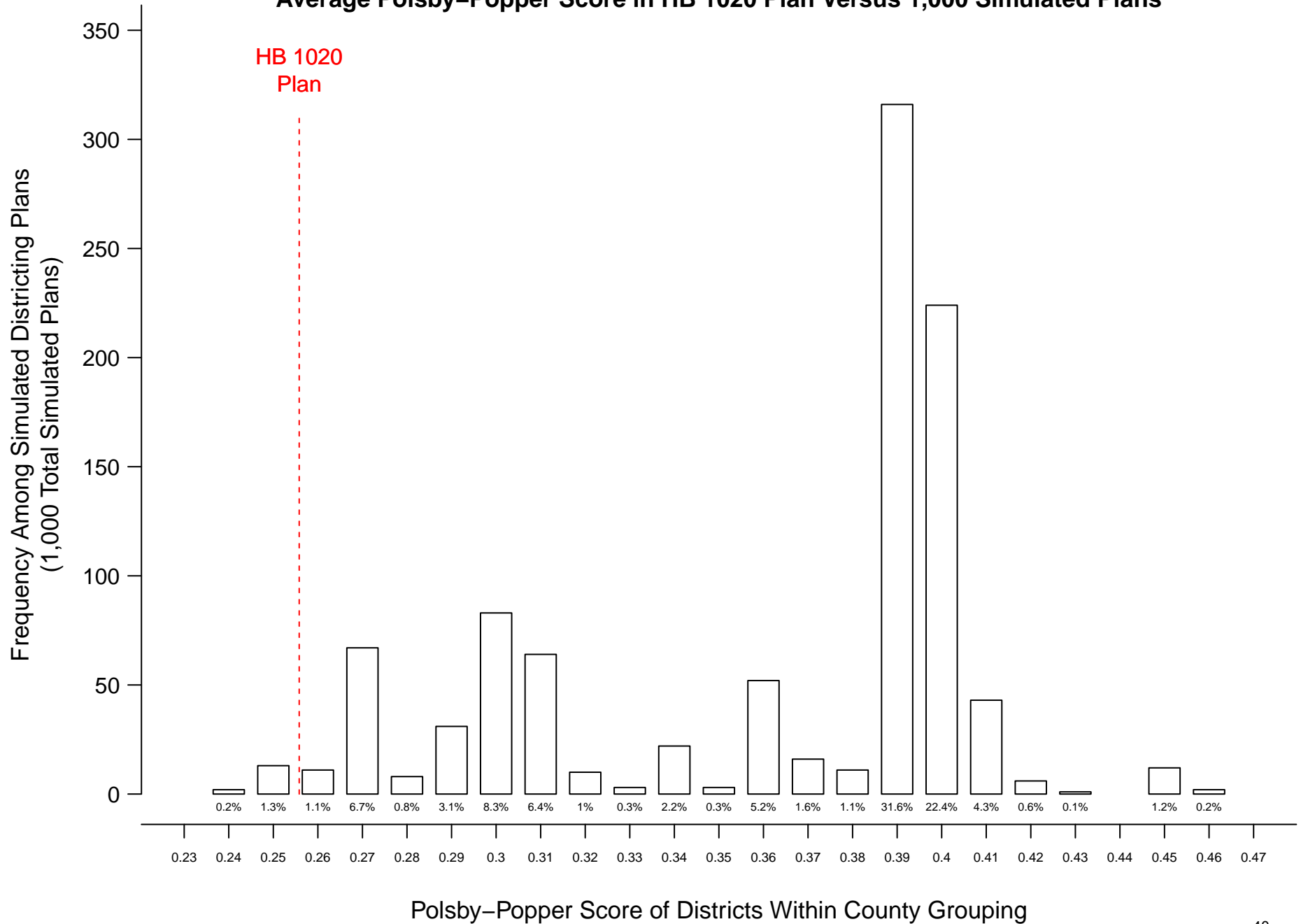


HB 1020 Plan (As Filed With Court on Sept. 19, 2019) (4 Districts)

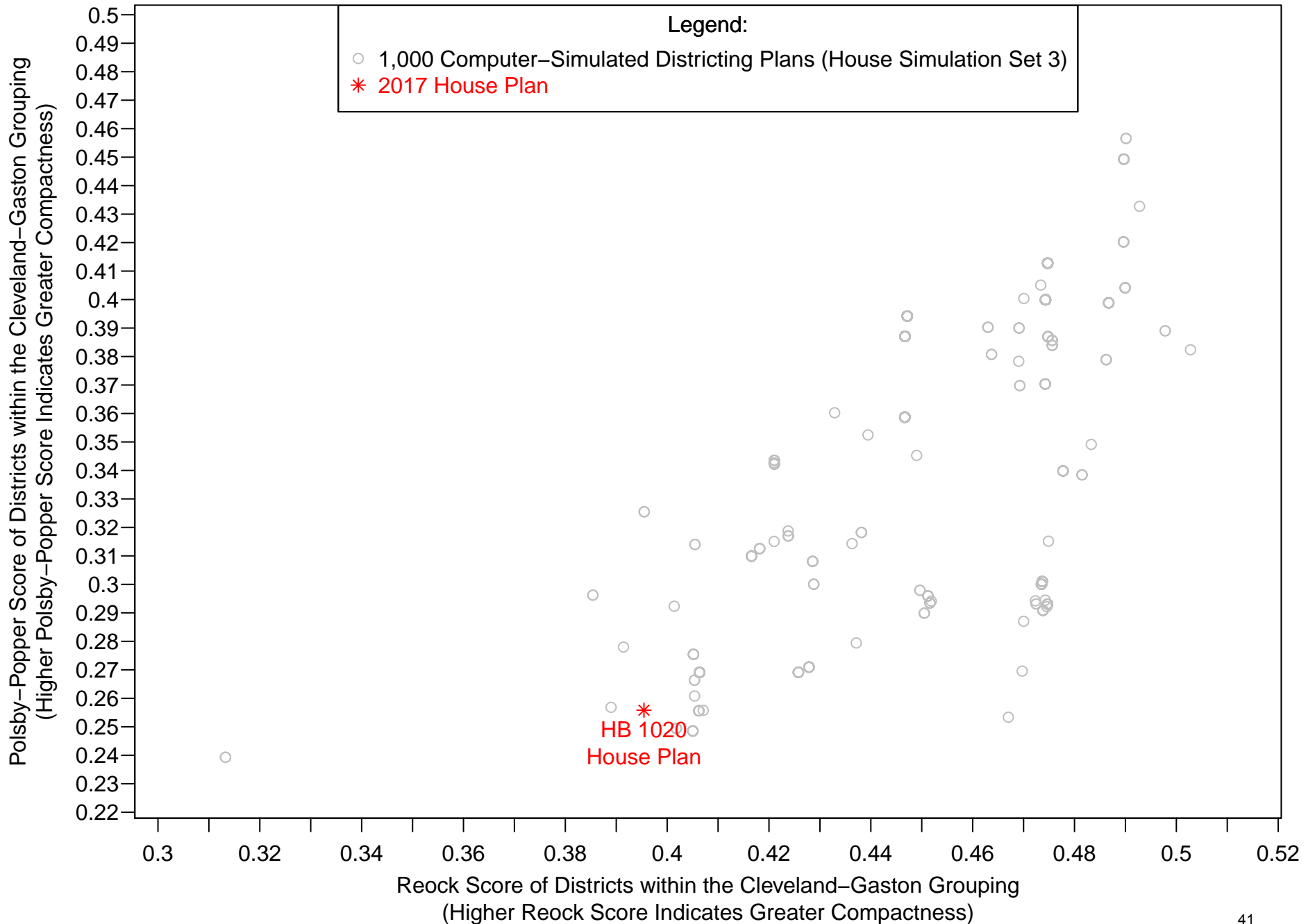
**Figure 18: Cleveland–Gaston County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Reock Score in HB 1020 Plan Versus 1,000 Simulated Plans**



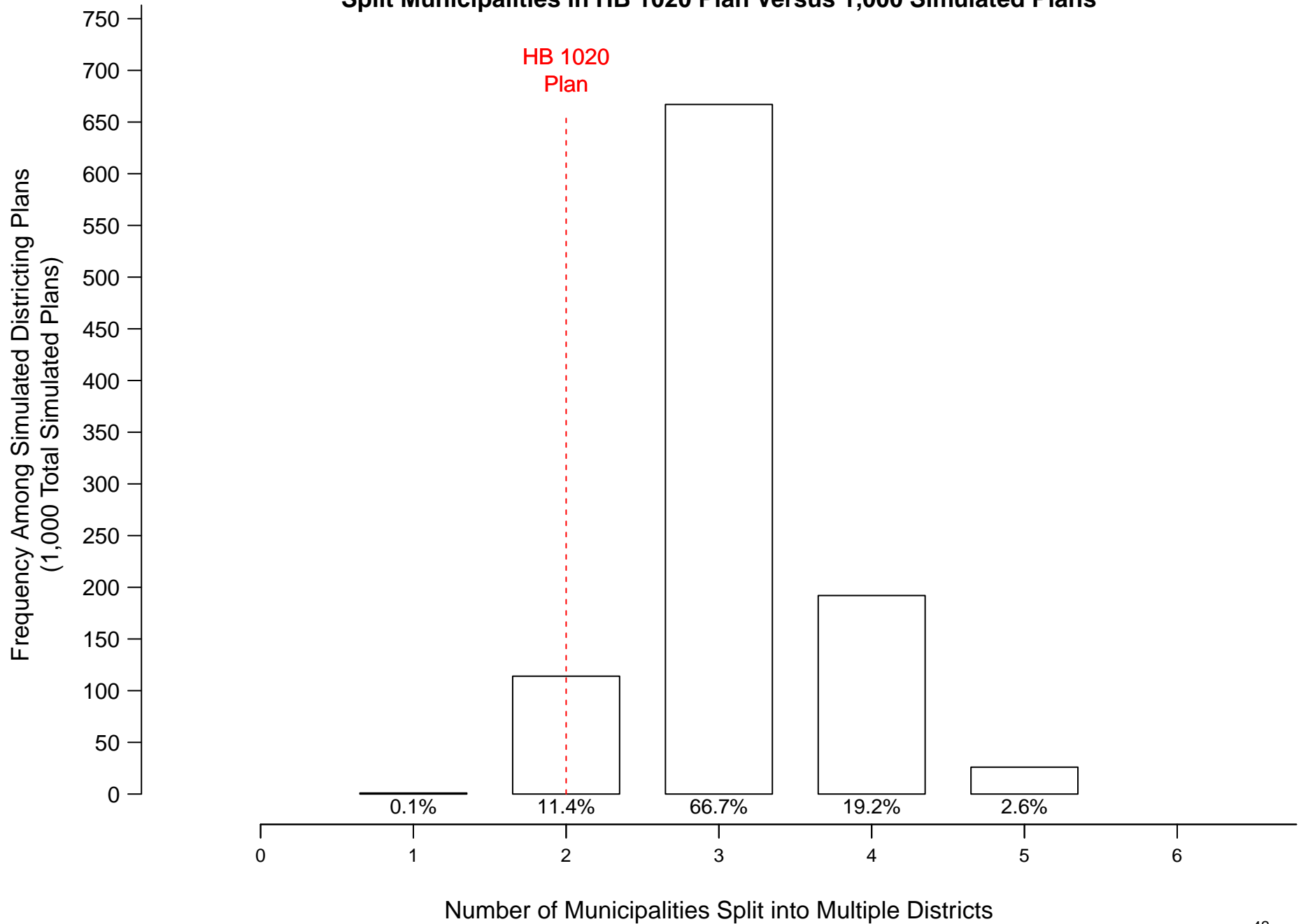
**Figure 19: Cleveland–Gaston County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Polsby–Popper Score in HB 1020 Plan Versus 1,000 Simulated Plans**



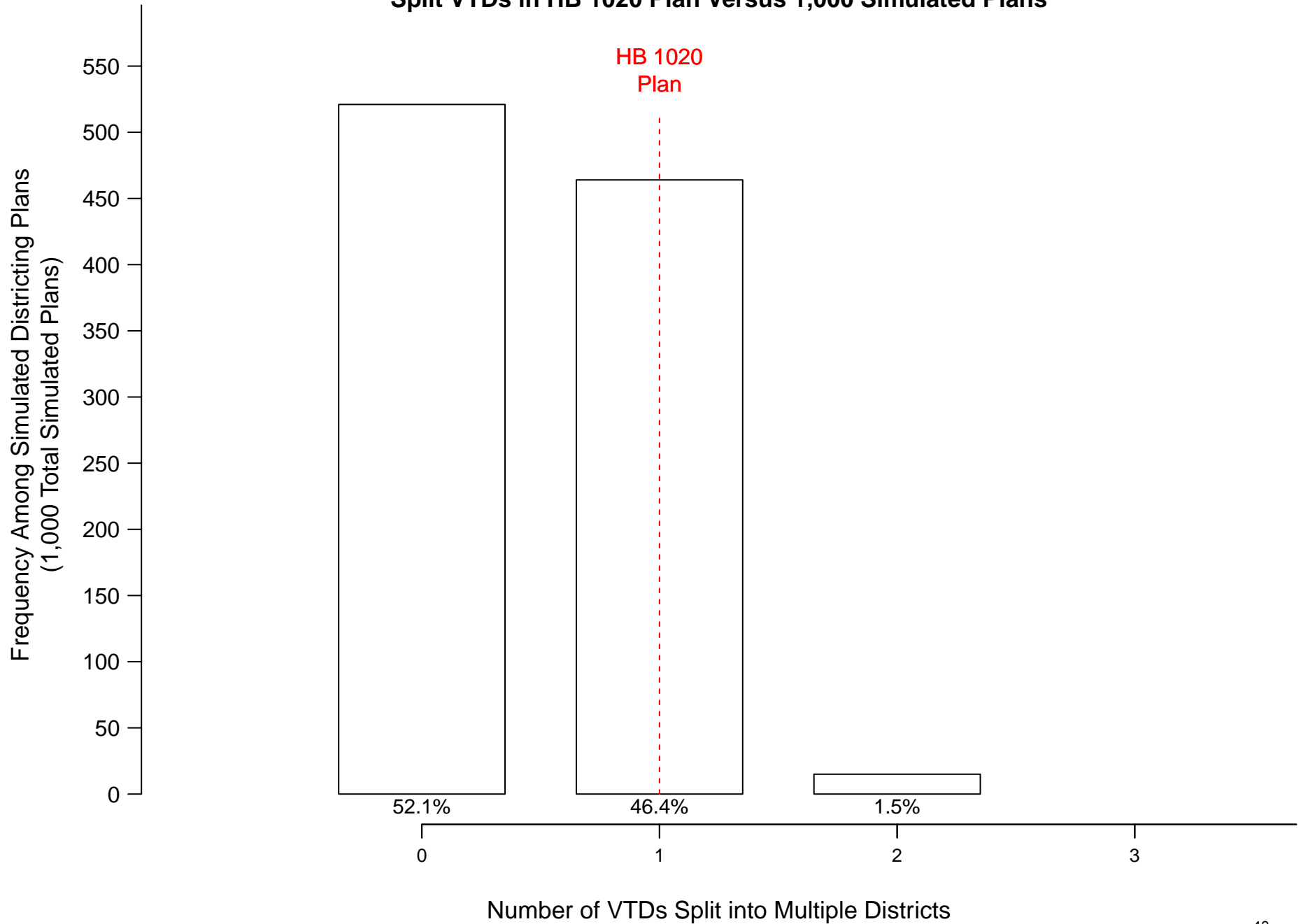
**Figure 20: Cleveland–Gaston County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Comparison of HB 1020 House Plan Versus 1,000 Simulated Plans on Compactness**



**Figure 21: Cleveland–Gaston County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split Municipalities in HB 1020 Plan Versus 1,000 Simulated Plans**



**Figure 22: Cleveland–Gaston County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split VTDs in HB 1020 Plan Versus 1,000 Simulated Plans**



The Brunswick-New Hanover County Grouping:

For the Brunswick-New Hanover county grouping, the House Redistricting Committee selected computer-simulated map A198 from House Simulation Set 1 of my April 8, 2019 expert report as its Base Map. The final HB 1020 Plan made no changes to this Base Map in the Brunswick-New Hanover grouping. Therefore, the partisanship and compactness scores of the districts in this grouping did not change from the Base Map to the final HB 1020 Plan.

However, the HB 1020 Plan produces partisan outliers when compared to the House Simulation Set 3 plans, which were programmed to intentionally avoid pairing the current House incumbents.

Comparison of HB 1020 to House Simulation Set 3: Figure 23 illustrates that HB 1020's version of the Brunswick-New Hanover county grouping produces several partisan outlier districts when compared to their corresponding House Simulation Set 3 districts. The second and fourth rows of Figure 11 show that Districts 20 and 17 are more Republican and more Democratic, respectively, than 100% of their respective corresponding districts in the 1,000 computer-simulated plans that avoid pairing the current incumbents. Additionally, the first and third rows of Figure 11 show that Districts 18 and 19 are more Democratic and more Republican, respectively, than over 92% of their corresponding districts in the 1,000 Simulation Set 3 plans.

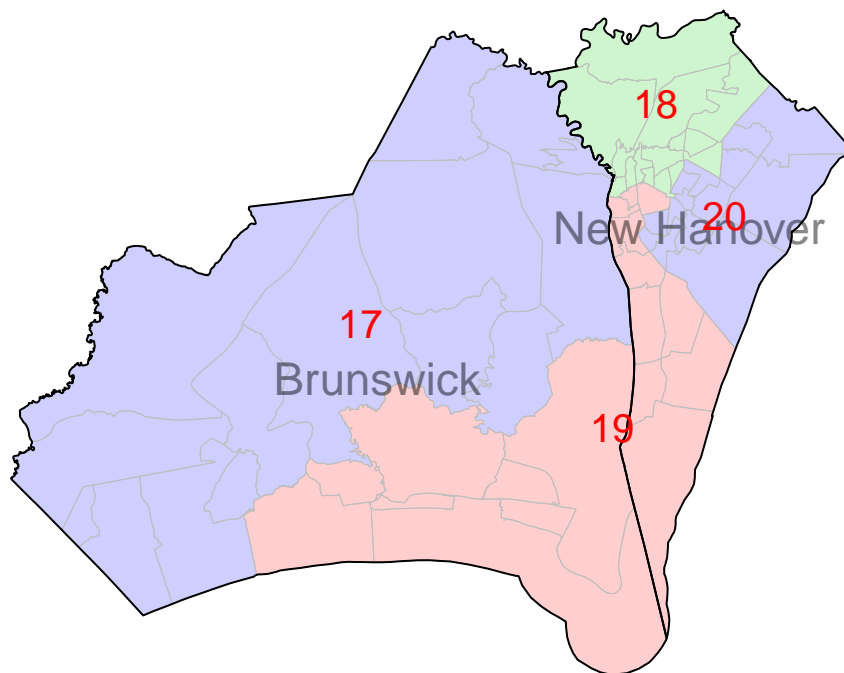
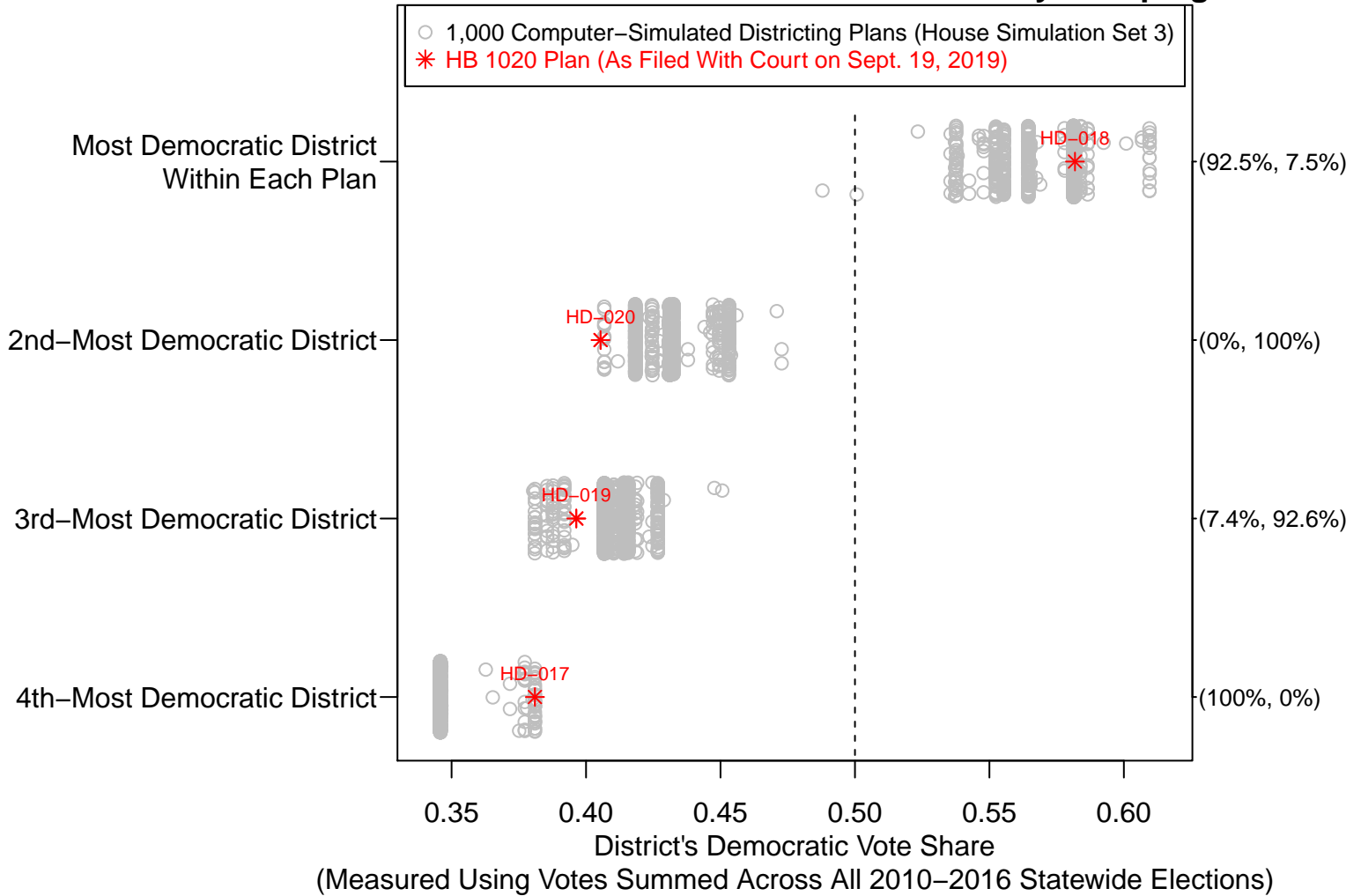
Traditional Districting Criteria: Figure 24 compares the average Reock score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans, while Figure 25 compares the average Polsby-Popper score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans. Figure 26 simultaneously compares the HB 1020 Plan and the House Simulation Set 3 plans in terms of their Reock (horizontal axis) and Polsby-Popper (vertical axis) scores within the county grouping. Finally, Figure 27 compares the number of municipalities within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans, while Figure 28 compares the number of VTDs within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans.

Figures 24 and 25 show that, while the HB 1020 districts have slightly higher average Reock scores than the House Simulation Set 3 districts, over 80% of the plans in House Simulation Set 3 have higher average Polsby-Popper scores than the HB 1020 districts. Figure 27 shows that the vast majority of plans in House Simulation Set 3 split the same number of

municipalities, as the HB 1020 Plan, and Figures 28 shows that nearly a quarter of the House Simulation Set 3 plans also split no VTDs.

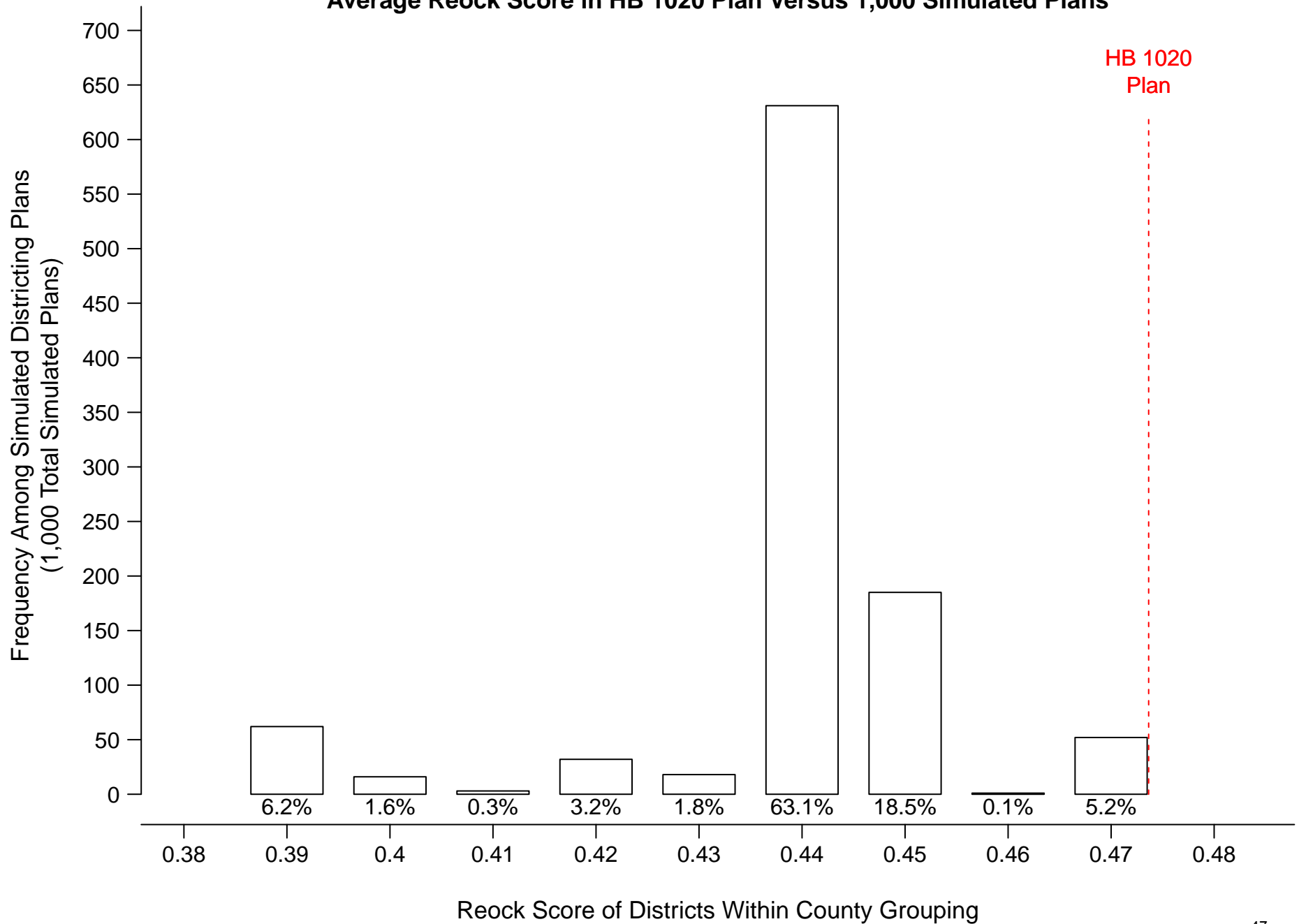
Overall, these figures show that the General Assembly could have avoided pairing the current incumbents in this grouping without sacrificing or subordinating the traditional districting criteria.

**Figure 23: House Simulation Set 3:
Democratic Vote Share of the HB 1020 and Computer–Simulated Districts
Within the Brunswick–New Hanover County Grouping**

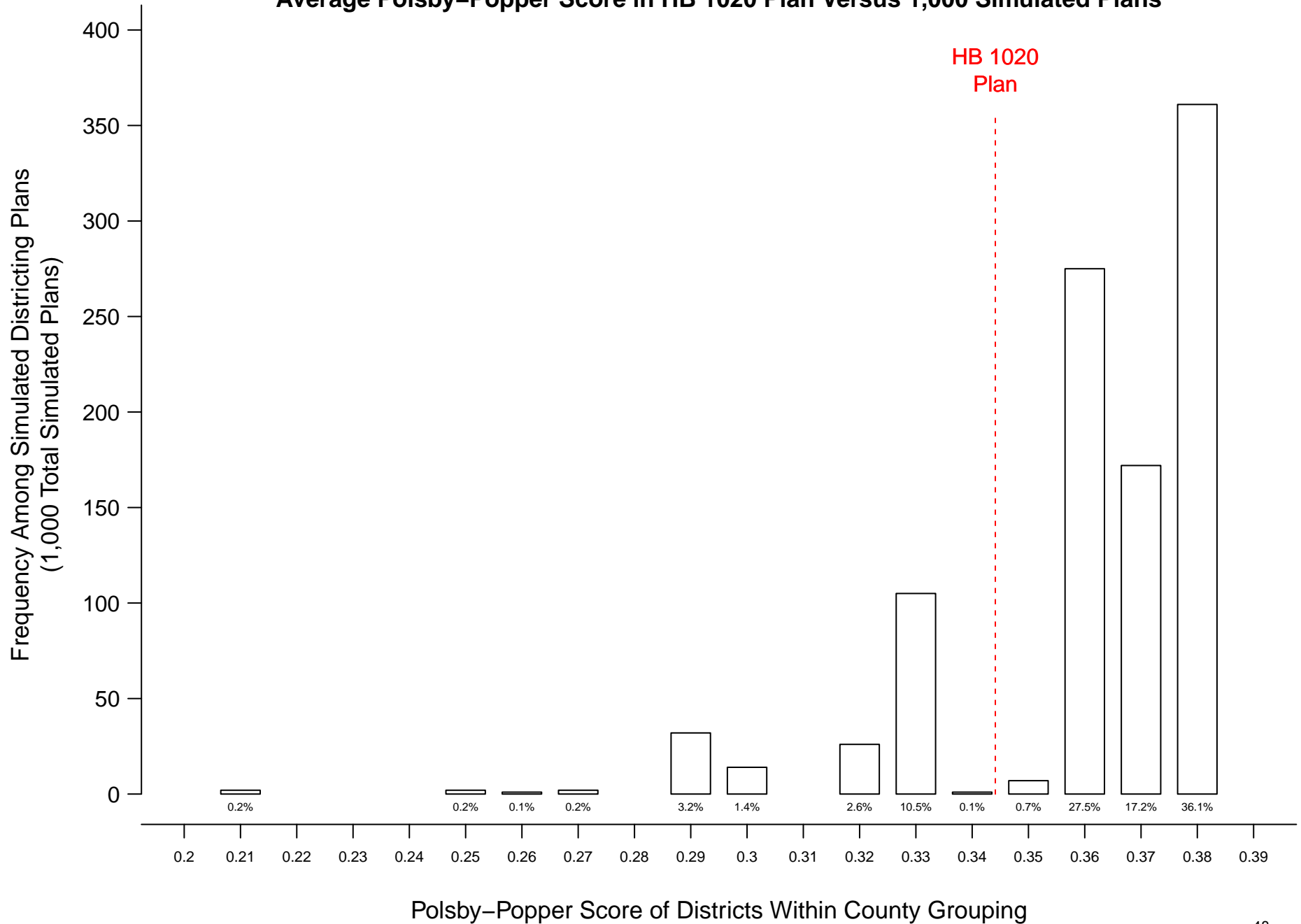


HB 1020 Plan (As Filed With Court on Sept. 19, 2019) (4 Districts)

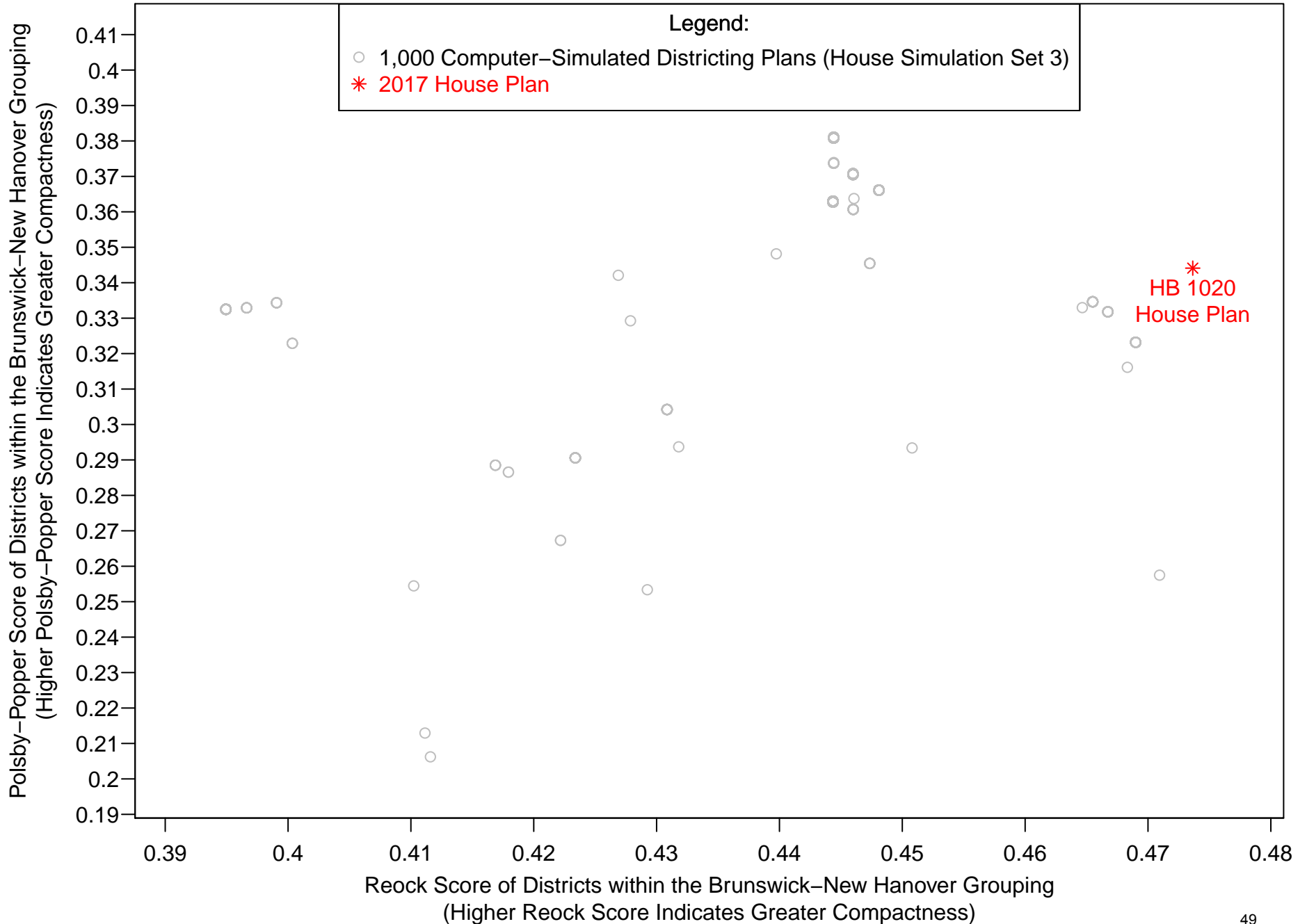
**Figure 24: Brunswick–New Hanover County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Reock Score in HB 1020 Plan Versus 1,000 Simulated Plans**



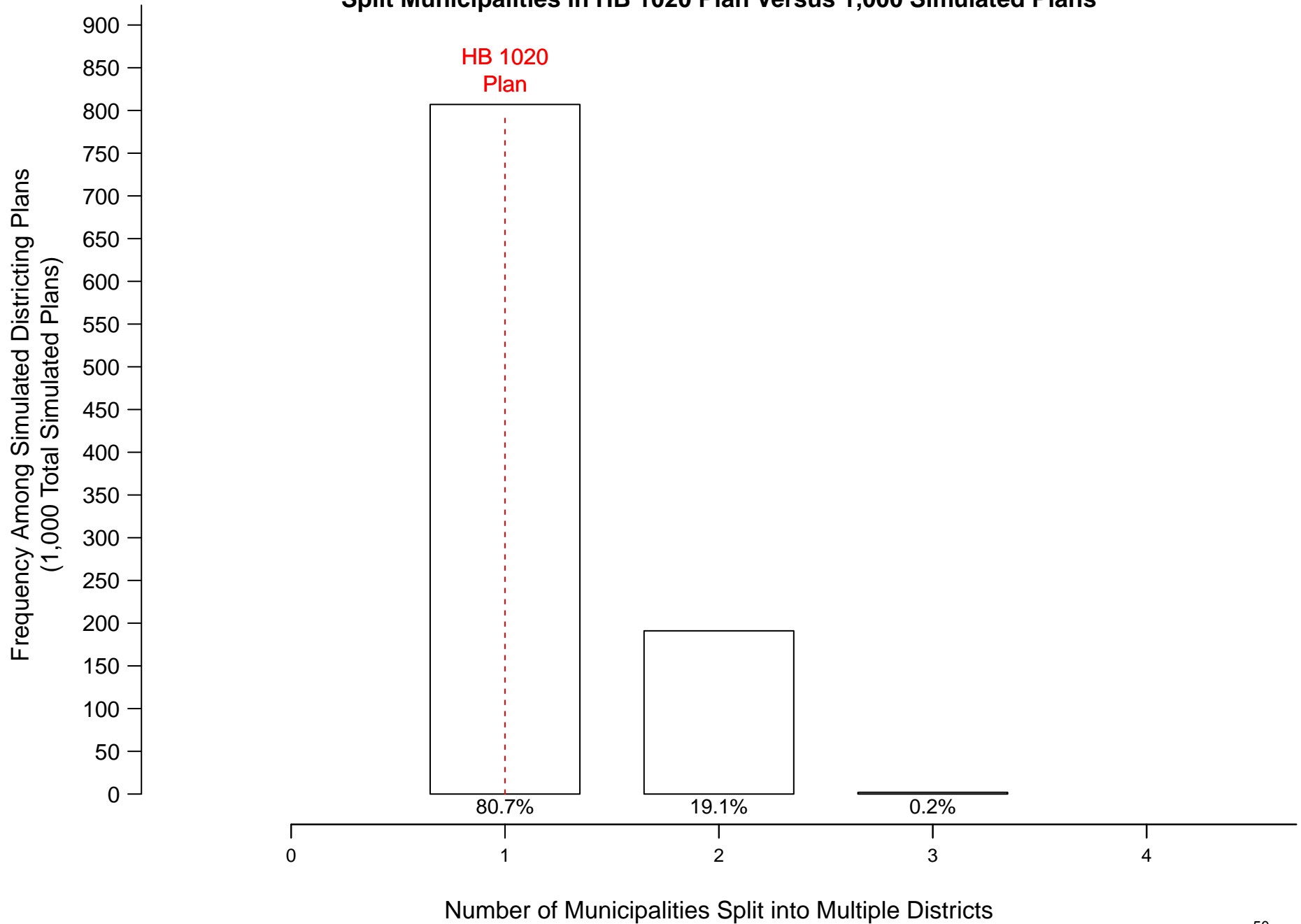
**Figure 25: Brunswick–New Hanover County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Polsby–Popper Score in HB 1020 Plan Versus 1,000 Simulated Plans**



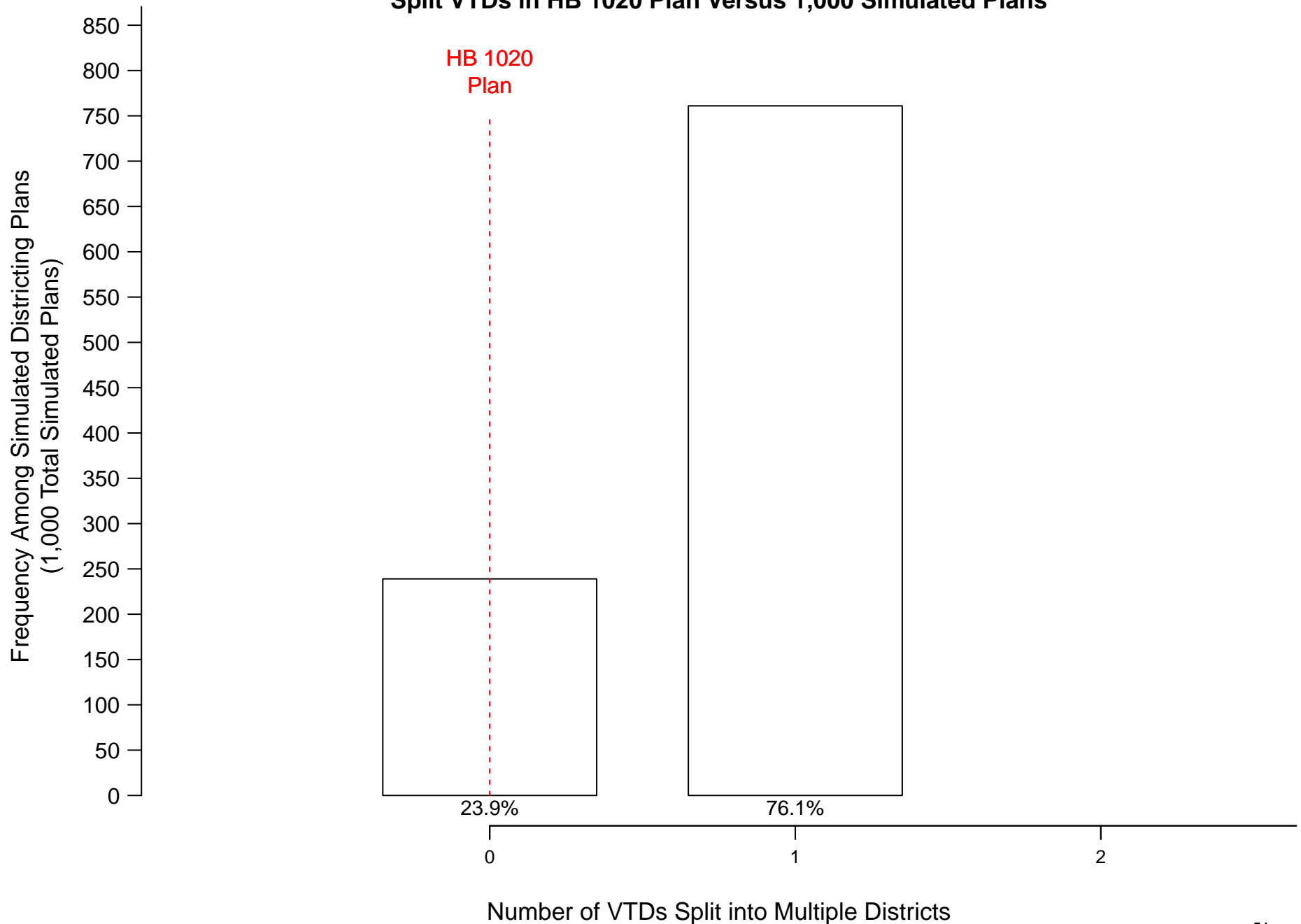
**Figure 26: Brunswick–New Hanover County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Comparison of HB 1020 House Plan Versus 1,000 Simulated Plans on Compactness**



**Figure 27: Brunswick–New Hanover County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split Municipalities in HB 1020 Plan Versus 1,000 Simulated Plans**



**Figure 28: Brunswick–New Hanover County Grouping:
House Simulation Set 3 (Following Non–Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split VTDs in HB 1020 Plan Versus 1,000 Simulated Plans**



The Guilford County Grouping:

Changes from the Base Map to HB 1020: The Guilford County grouping contains six total House districts, but three of these districts (HD-57, HD-61, and HD-62) are frozen in both the computer-simulated plans as well as in the final HB 1020 Plan. Among the remaining three non-frozen districts in Guilford County, the border between Districts 58 and 59 were altered from the September 11 Base Map to the final HB 1020 House Plan of September 19. Specifically, one VTD was shifted from District 59 to District 58. Table 7a describes how the partisanship of districts in the Guilford County grouping changed from the Base Map to the HB 1020, with district partisanship measured using the 2010-2016 Statewide Election Composite. Most notably, the Democratic vote share of District 59 decreased from 45.97% to 45.46%. District 60 was not altered from the Base Map to the final HB 1020 Plan.

Comparison of HB 1020 to House Simulation Set 3: I conducted 1,000 computer-simulated plans for the Guilford County grouping in House Simulation Set 3, and I found that the HB 1020 Plan does not create partisan outlier districts in this grouping.

Traditional Districting Criteria: Were the HB 1020 districts in the Guilford County grouping drawn in a manner that followed the non-partisan districting criteria of compactness and preserving municipalities and VTDs?

Table 7b compares the district-level Reock and Polsby-Popper scores of the Base Map and the HB 1020 Plan within the county grouping. Figure 29 compares the average Reock score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans, while Figure 30 compares the average Polsby-Popper score of the districts in the county grouping under the HB 1020 Plan to the House Simulation Set 3 plans. Figure 31 simultaneously compares the HB 1020 Plan and the House Simulation Set 3 plans in terms of their Reock (horizontal axis) and Polsby-Popper (vertical axis) scores within the county grouping. Finally, Figure 32 compares the number of municipalities within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans, while Figure 33 compares the number of VTDs within the county grouping that are split into multiple districts by the HB 1020 Plan and the House Simulation Set 3 plans.

Overall, these results demonstrate that the HB 1020 Plan significantly and unnecessarily subordinates compactness in protecting incumbents. First, as Table 7b illustrates, the final HB 1020 Plan noticeably worsened the compactness of the Guilford County compared to the Base

Map's version of the grouping's districts. Specifically, the HB 1020 Plan decreased the average Reock score in the grouping from 0.440 to 0.401 and decreased the average Polsby-Popper from 0.264 to 0.232.

Moreover, these substantial decreases in the compactness of the grouping's districts from the Base Map to the final HB 1020 Plan were not necessary in order to avoid pairing the current incumbents. As illustrated in Figures 29 and 30, virtually all of the 1,000 House Simulation Set 3 plans produce higher Reock and Polsby-Popper scores in the Guilford County grouping than the HB 1020, while also avoiding any incumbent pairings. Specifically, 99.8% of the House simulation Set 3 plans produce both a higher Reock and a higher Polsby-Popper score than the HB 1020 Plan in this grouping.

Finally, the HB 1020 Plan splits three municipalities and one VTD in Guilford County, which is exactly the same number of split municipalities and VTDs as in the Base Map and in all House Simulation Set 3 maps (Figure 32 and 33). Therefore, it is clear that the significant decrease in geographic compactness created by the HB 1020 Plan were not necessary in order to avoid excessive municipality or VTD splits.

Overall, it is clear that the HB 1020 Plan significantly subordinated the geographic compactness of the Guilford County grouping's districts, whether measured using the Reock or Polsby-Popper score, and this subordination of compactness was not necessitated by avoiding incumbent pairings or avoiding municipality or VTD splits.

**Table 7a: Guilford County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

Guilford County Grouping:				
Computer-Simulated Plan A117 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Democratic Vote Share:	District:	Democratic Vote Share:	Change in Democratic Vote Share From Base Map to HB 1020 Plan
58	72.72%	58	72.35%	-0.37%
59	45.97%	59	45.46%	-0.51%
60	61.65%	60	61.65%	0.00%

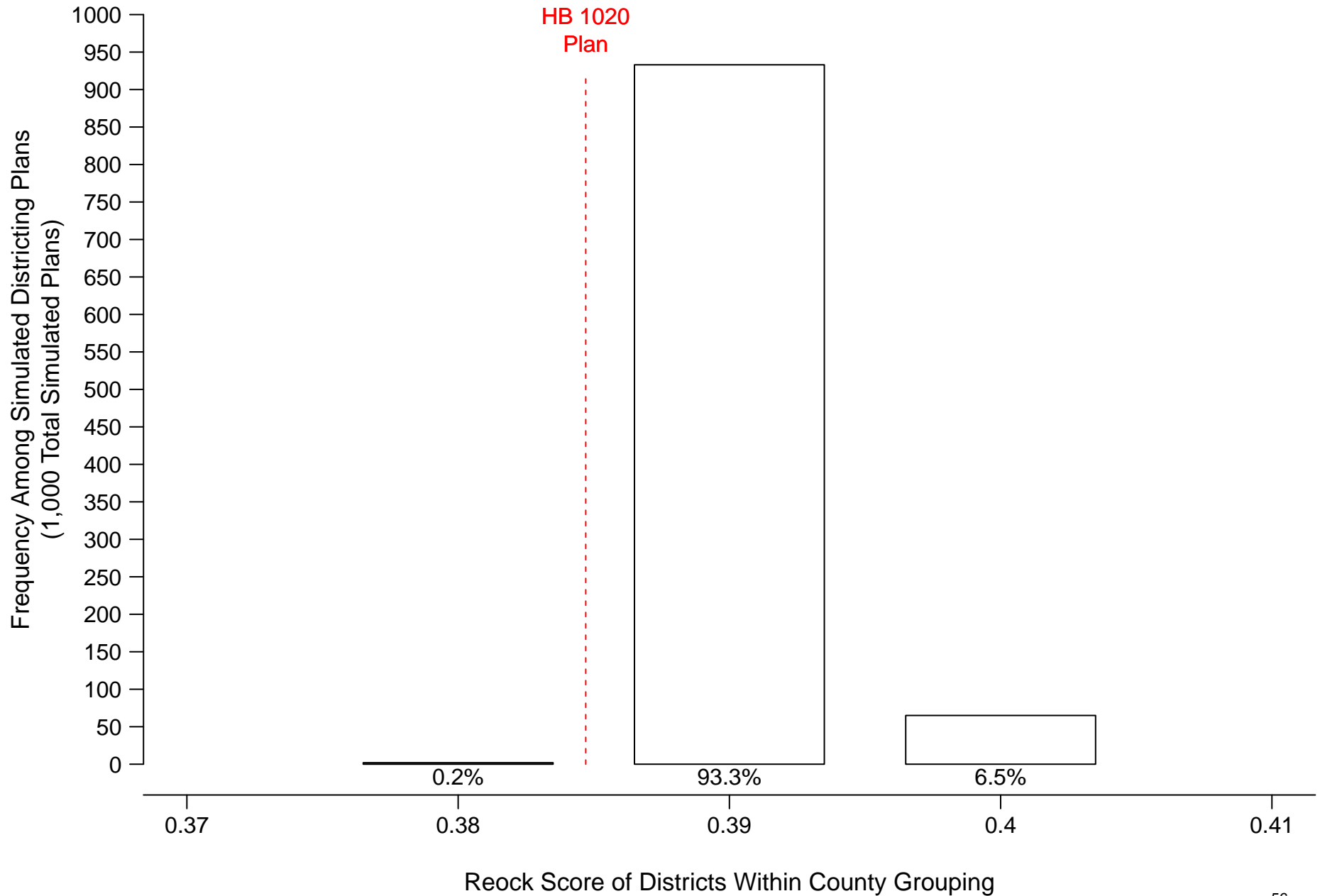
**Table 7b: Guilford County Grouping:
Changes from Base Map (Sept. 11, 2019) to HB 1020 (Sept. 19, 2019)**

Guilford County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Reock Score:	District:	Reock Score:	Change in Reock Score From Base Map to HB 1020 Plan
58	0.445	58	0.333	-0.111
59	0.464	59	0.457	-0.007
60	0.411	60	0.411	0.000
County Grouping Average:	0.440	County Grouping Average:	0.401	-0.039

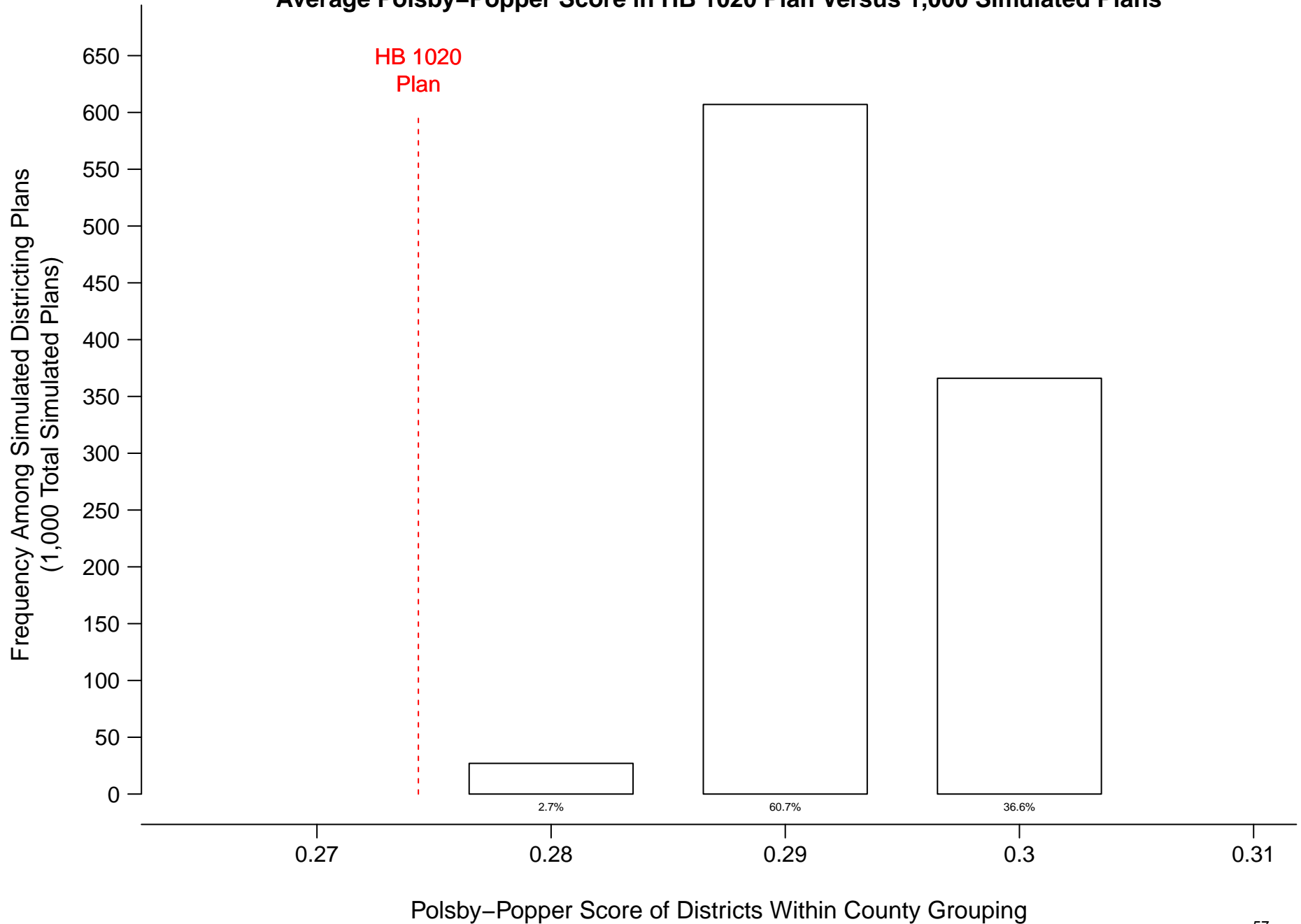
Guilford County Grouping:				
Computer-Simulated Plan A455 Base Map Districts (Sept. 11, 2019):		Final HB 1020 (Sept. 19, 2019) House Plan Districts:		
District:	Polsby-Popper Score:	District:	Polsby-Popper Score:	Change in Polsby-Popper Score From Base Map to HB 1020 Plan
58	0.241	58	0.174	-0.068
59	0.350	59	0.321	-0.028
60	0.201	60	0.201	0.000
County Grouping Average:	0.264	County Grouping Average:	0.232	-0.032

Note: Each district from the 2017 House is compared to the most geographically overlapping district from the final HB 1020 plan, subject to the restriction that each HB 1020 Plan district can only be compared to a single 2017 House Plan district. Each district from each county grouping's base map (selected on September 11, 2019) is compared to the most geographically overlapping district from the final HB 1020 plan.

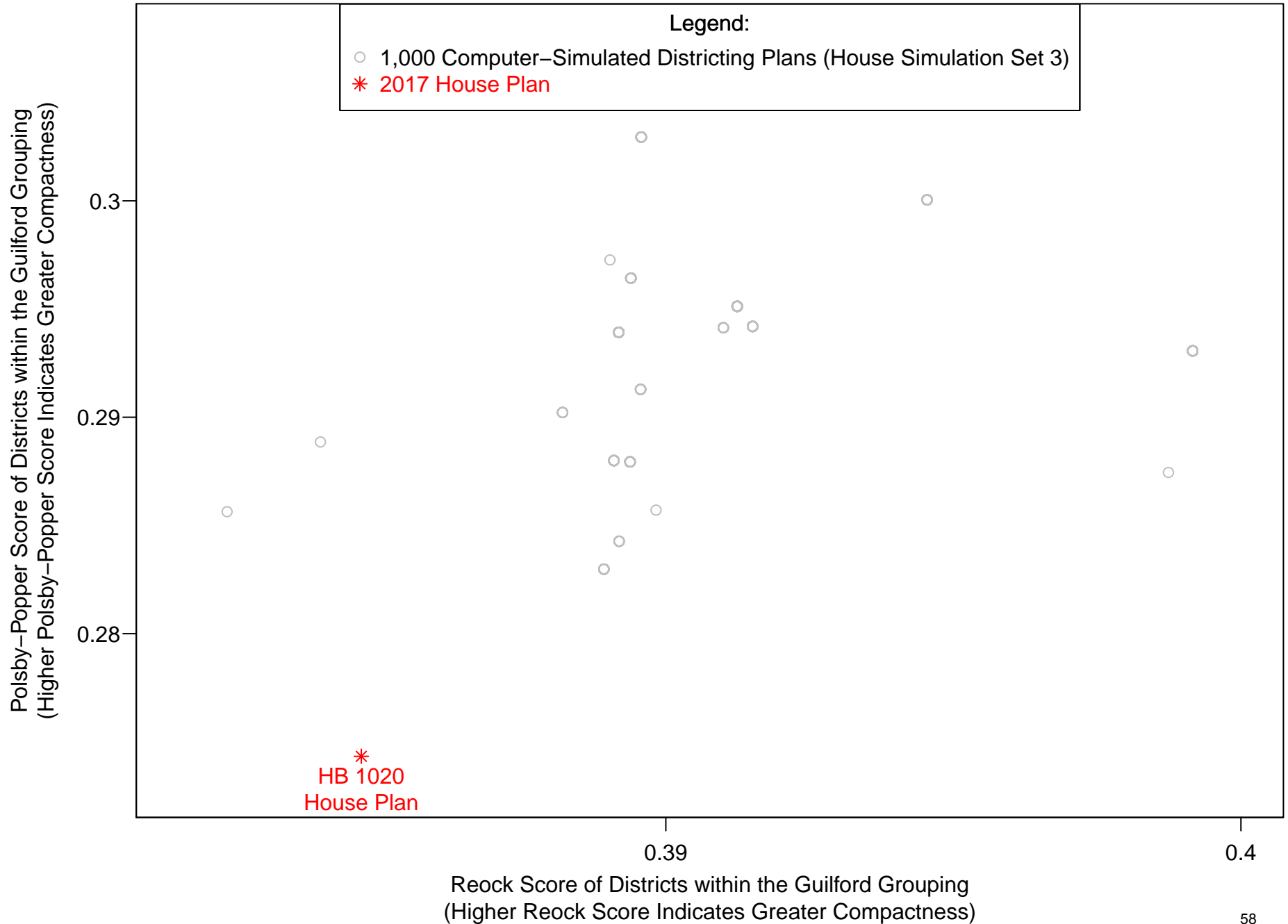
**Figure 29: Guilford County Grouping:
House Simulation Set 3 (Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Reock Score in HB 1020 Plan Versus 1,000 Simulated Plans**



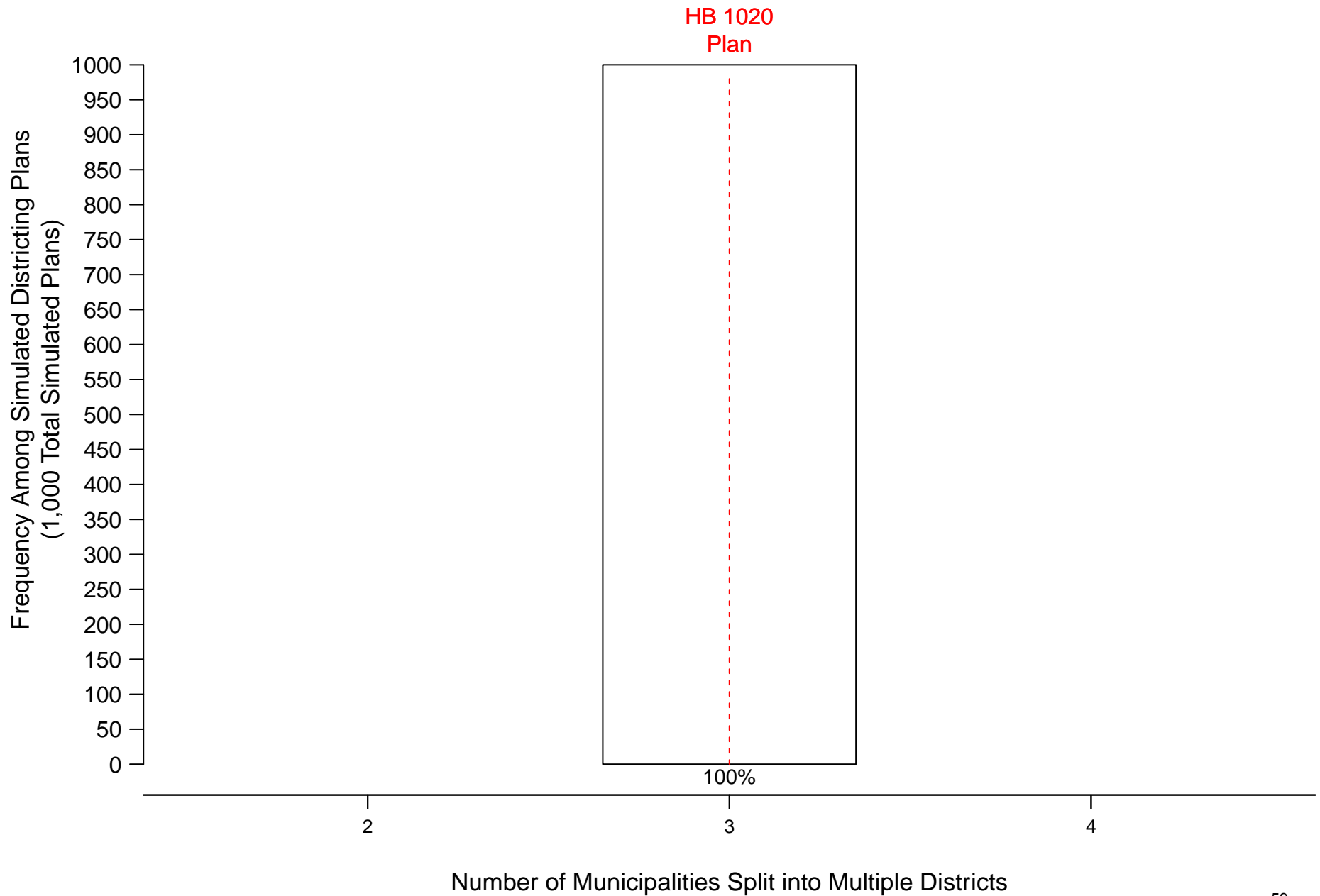
**Figure 30: Guilford County Grouping:
House Simulation Set 3 (Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Average Polsby-Popper Score in HB 1020 Plan Versus 1,000 Simulated Plans**



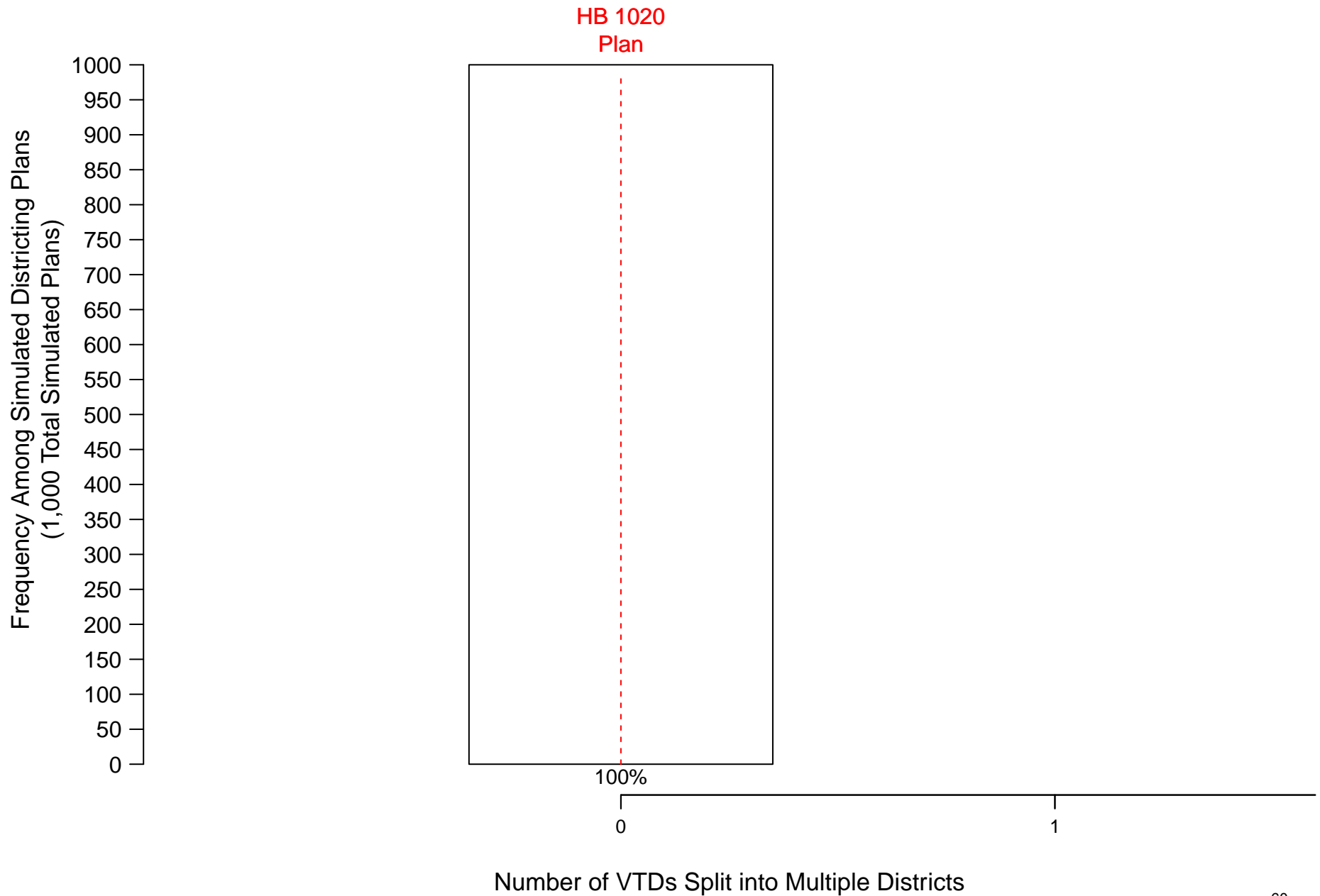
**Figure 31: Guilford County Grouping:
House Simulation Set 3 (Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Comparison of HB 1020 House Plan Versus 1,000 Simulated Plans on Compactness**



**Figure 32: Guilford County Grouping:
House Simulation Set 3 (Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split Municipalities in HB 1020 Plan Versus 1,000 Simulated Plans**



**Figure 33: Guilford County Grouping:
House Simulation Set 3 (Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Split VTDs in HB 1020 Plan Versus 1,000 Simulated Plans**



Analysis of District 58 in the 2017 House Plan and HB 1020 Plan

Plaintiffs' counsel asked me to analyze the similarity between HD-58 in the 2017 House Plan and District 58 in the final HB 1020 Plan. To analyze the geographic similarity between these two versions of District 58, I overlaid the two plans against one another using the block assignment files of the two plans. I then calculated the amount of population from the 2017 House Plan's HD-58 that was also assigned to District 58 in the final HB 1020 Plan. I found that the 2017 House Plan's HD-58 comprised a total population of 82,137. Among these individuals, 70,646 (or 86.01%) were also assigned to District 58 in the HB 1020 Plan. The remainder were assigned to either District 59 or 60 in the HB 1020 Plan, as detailed in Table 8.

**Table 8: Overlap Analysis of HD-58 from the 2017 House Plan
and Districts from the Final HB 1020 Plan
(Measured Using Total Population and Census Blocks):**

	HD-58 from the 2017 House Plan	
	Population:	Census Blocks:
District 58 (HB 1020 Plan):	70,646 (86.01%)	1,227 (81.42%)
District 59 (HB 1020 Plan):	6,926 (8.43%)	152 (10.09%)
District 60 (HB 1020 Plan):	4,565 (5.56%)	128 (8.49%)
Total:	82,137 (100%)	1,507 (100%)

Comparing the Compactness of the Redrawn Districts and the Computer-Simulated Plans

In this section, I compare the compactness of the HB 1020 Plan's districts in the redrawn county groupings to the districts in these same county groupings in the computer simulated plans. Specifically, I focus only on the county groupings that the Court struck down and ordered redrawn. Overall, these results show that the HB 1020 Plan's districts in the redrawn groupings are significantly less compact than the vast majority of the computer-simulated districts in these same groupings.

First, Figure 34 compares the compactness of the HB 1020 districts in the fourteen redrawn county groupings to the computer-simulated districts in these same groupings produced in House Simulation Set 1, which follows only the non-partisan traditional districting criteria. The horizontal axis in this Figure measures the average Reock score of the House districts in these fourteen county groupings in each plan, while the vertical axis measures the average Polsby-Popper score of the relevant districts in each plan. Overall, Figure 34 illustrates that even when we examine in isolation only the fourteen redrawn House groupings, the HB 1020 Plan is significantly less compact than nearly all of the House Simulation set 1 plans. The HB 1020 Plan has a lower Polsby-Popper score than 100% of the House Simulation Set 1 plans and a lower Reock score than 98.6% of the Simulation Set 1 plans.

Next, Figure 35 compares the compactness of the HB 1020 districts in the fourteen redrawn county groupings to the computer-simulated districts in these same groupings produced in House Simulation Set 2, which follows the non-partisan traditional districting criteria while avoiding incumbent pairings. The horizontal axis in this Figure measures the average Reock score of the House districts in these fourteen county groupings in each plan, while the vertical axis measures the average Polsby-Popper score of the relevant districts in each plan. Overall, Figure 35 illustrates that even when we examine in isolation only the fourteen redrawn House groupings, the HB 1020 Plan is significantly less compact than nearly all of the House Simulation set 2 plans. The HB 1020 Plan has a lower Polsby-Popper score than 100% of the House Simulation Set 2 plans and a lower Reock score than 73.9% of the Simulation Set 2 plans.

Finally, Figure 36 measures the compactness of the HB 1020 districts in the five redrawn county groupings for which I conducted Simulation Set 3 plans. These five groupings are: 1) Columbus-Pender-Robeson; 2) Forsyth-Yadkin; 3) Cleveland-Gaston; 4) Brunswick-New Hanover; and 5) Guilford. Figure 36 then compares the compactness of the HB 1020 districts in

these five groupings to the compactness of the House Simulation Set 3 plans in these same five groupings. The horizontal axis in this Figure measures the average Reock score of the House districts in these five county groupings in each plan, while the vertical axis measures the average Polsby-Popper score of the districts in each plan in these five groupings. Overall, Figure 36 illustrates that even when we examine in isolation only these five redrawn House groupings, the HB 1020 Plan is significantly less compact than virtually all of the House Simulation Set 3 plans. The HB 1020 Plan has a lower Polsby-Popper score than 100% of the House Simulation Set 3 plans and a lower Reock score than 98.6% of the Simulation Set 3 plans.

**Figure 34: House Simulation Set 1
(Following Only Non-Partisan Redistricting Criteria):
Comparison of 2017 House Plan, HB 1020 House Plan, and 1,000 Simulated Plans on Compactness
in the Fourteen House County Groupings Struck Down by the Court**

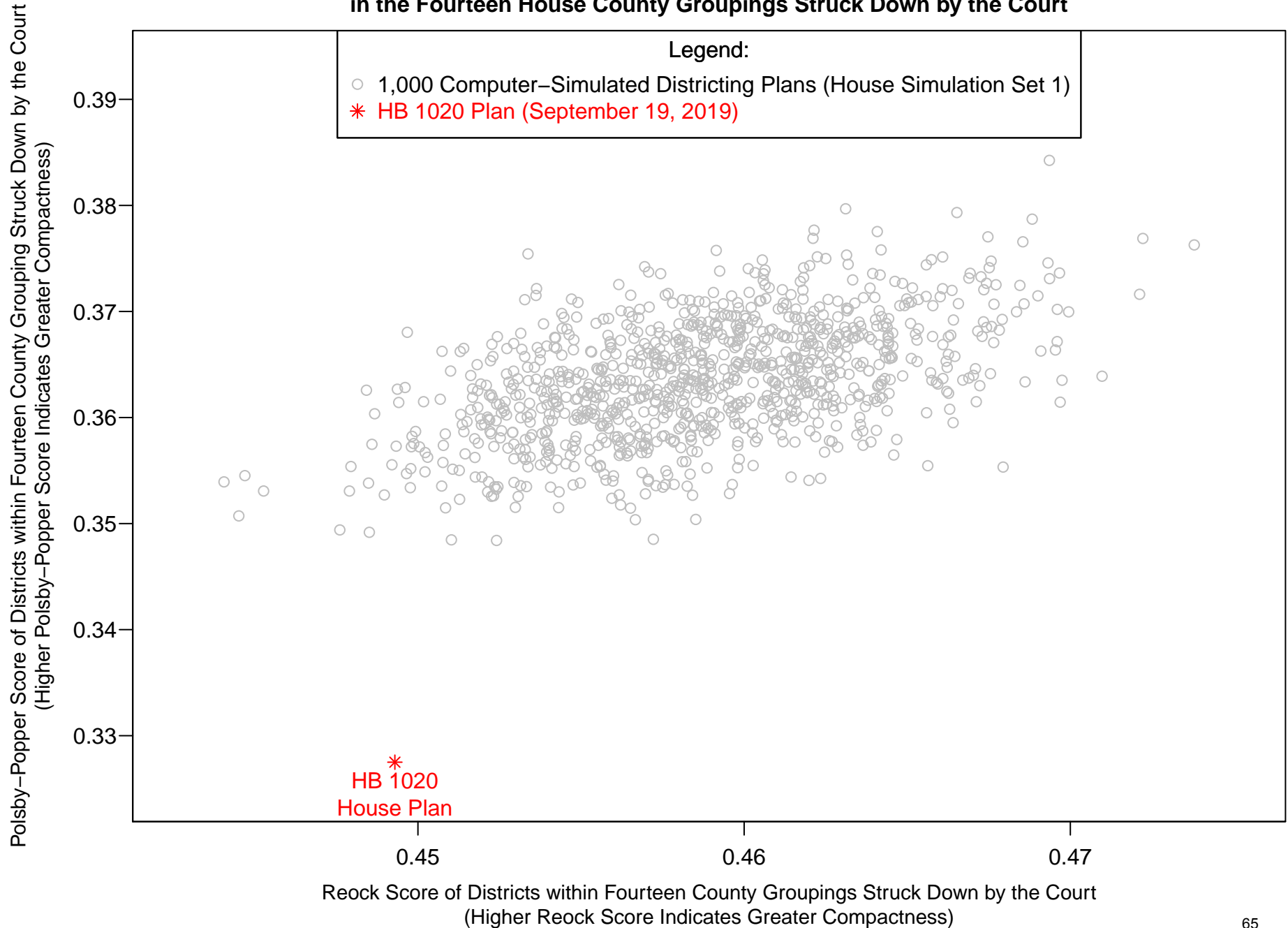


Figure 35: House Simulation Set 2
(Following Non-Partisan Redistricting Criteria and Avoiding the Pairing of Incumbents):
Comparison of 2017 House Plan, HB 1020 House Plan, and 1,000 Simulated Plans on Compactness
in the Fourteen House County Groupings Struck Down by the Court

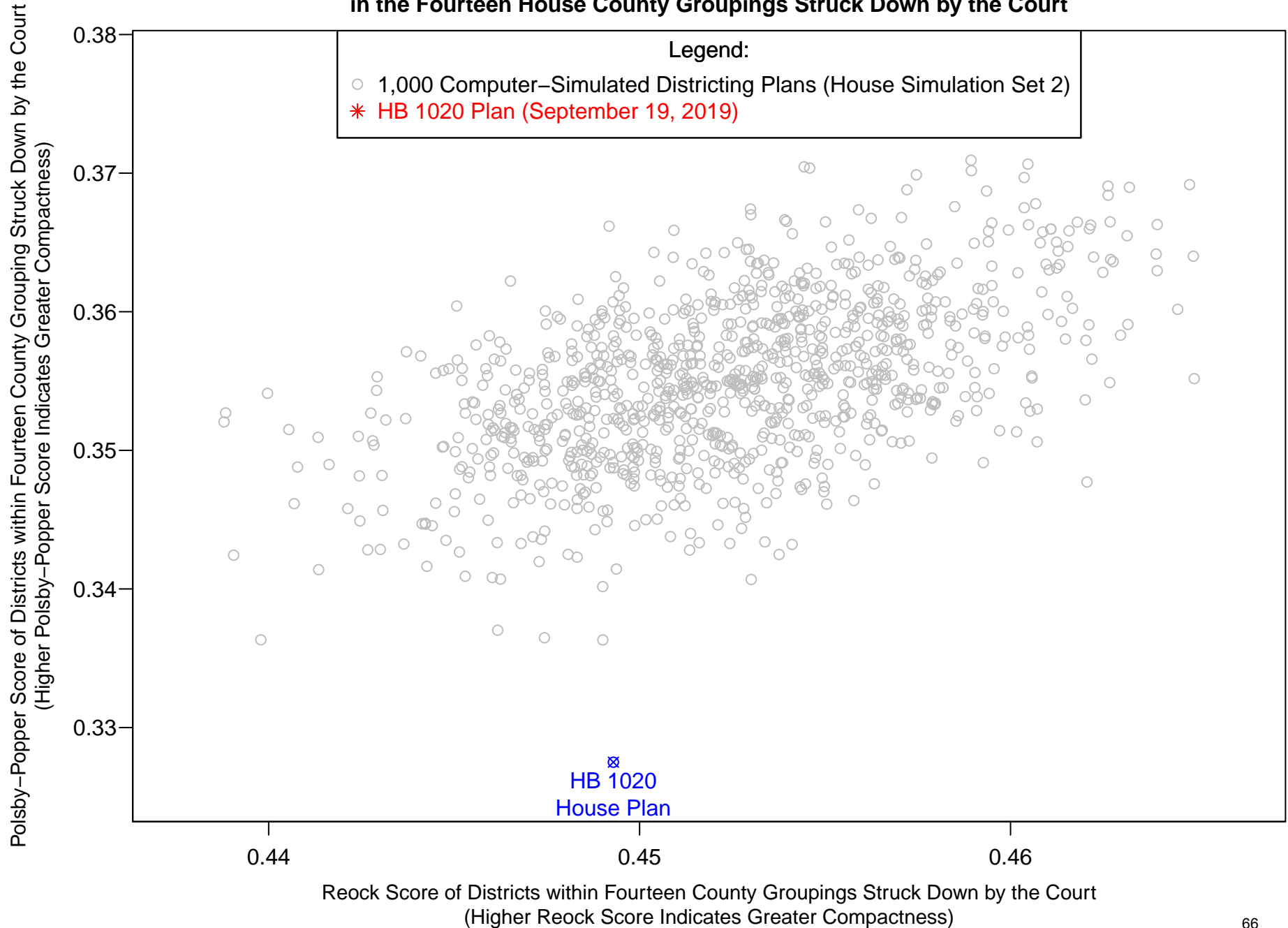
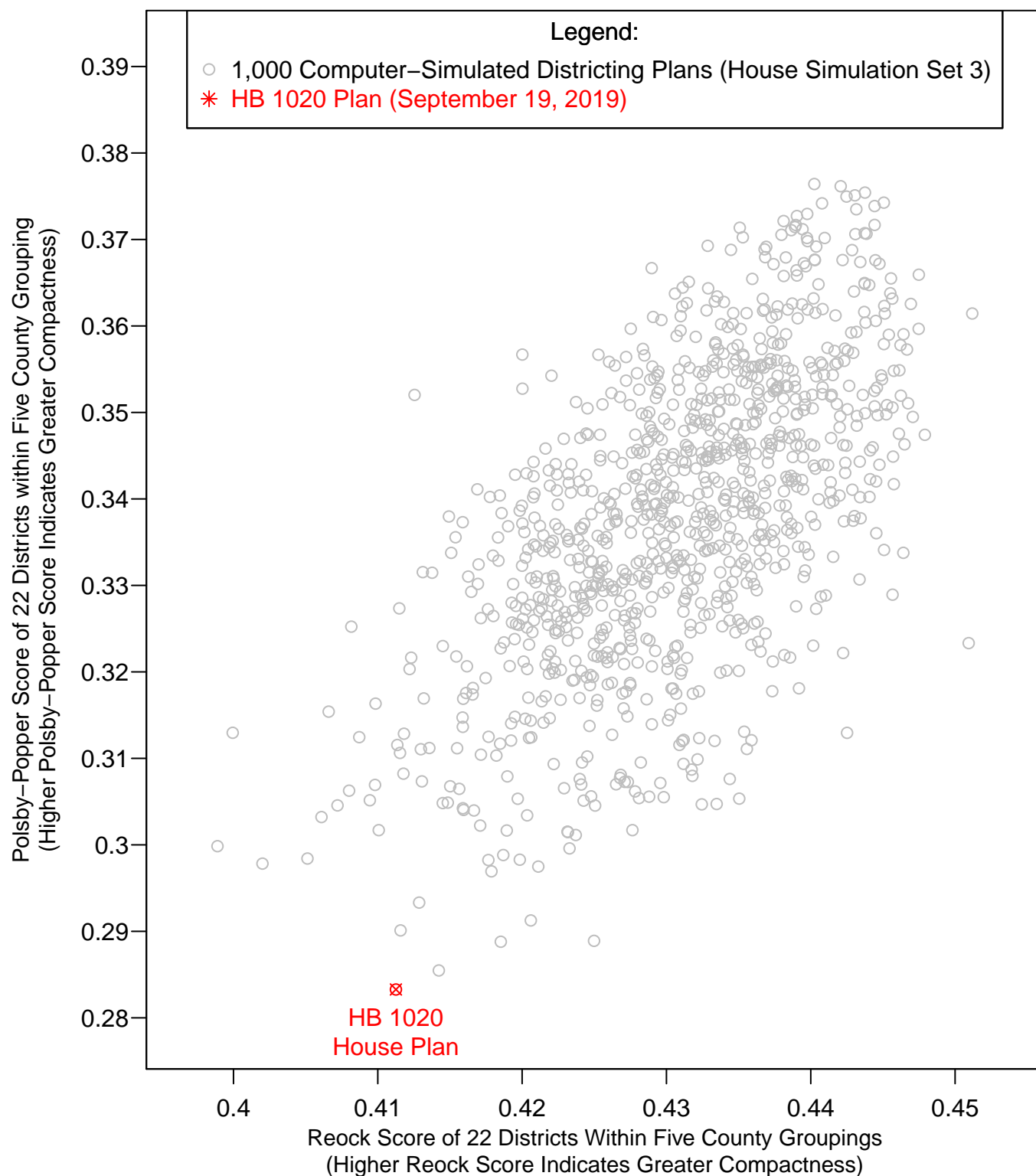


Figure 36: House Simulation Set 3
(Following Non-Partisan Redistricting Criteria and Avoiding Pairing of 2019 Incumbents):
Comparison of HB 1020 House Plan Versus 1,000 Simulated Plans on Compactness
in Five County Groupings



The five county groupings included in this Figure's calculations are:
 Brunswick–New Hanover
 Cleveland–Gaston
 Columbus–Pender–Robeson
 Forsyth–Yadkin
 Guilford

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct to the best of my knowledge.

This 27th day of September, 2019.

A handwritten signature in black ink, appearing to read 'Jowei Chen', written over a horizontal line.

Jowei Chen

EXHIBIT B

Jacobson, Daniel

From: Riggins, Alyssa <alyssa.riggins@ogletree.com>
Sent: Monday, September 9, 2019 4:24 PM
To: Jones, Stanton; Erika Churchill (Legislative Analysis)
Cc: Farr, Thomas A.; Strach, Phillip J.; espeas@poynerspruill.com; melias@perkinscoie.com; zzz.External.AKhanna@perkinscoie.com; Rep. David Lewis; Rep. Destin Hall; Rep. Elmer Floyd; Rep. John Sauls; Rep. John Szoka; Rep. John Torbett; Rep. Cecil Brockman; Rep. Deb Butler; Rep. Holly Grange; Rep. Pricey Harrison; Rep. Kelly Hastings; Rep. Zack Hawkins; Rep. Craig Horn; Rep. Joe Sam Queen; Rep. Robert Reives; Rep. Jason Saine; Rep. Harry Warren; Kara McCraw (Legislative Analysis); Jessica Sammons (Legislative Analysis); Peter Capriglione (ISD, Director); Dan Frey; Raleigh Myers; Mark Coggins (Rep. David Lewis); Dylan Reel (Rep. David Lewis)
Subject: RE: Dr. Chen's maps and scores - House plans

External E-mail

Ms. Churchill,

Please find in the link below Dr. Chen's backup data produced to us on April 8, 2019 by Plaintiffs. In order to preserve data integrity, the backup data is in the same complete manner we received it from Plaintiffs. You are correct in that the appropriate House data you are looking for is House Set 2 within the backup. Please don't hesitate to reach out to me if you have any issues accessing the data.

<https://ogletreedeakins.sharefile.com/d-s5dade7822424c8ea>

Best Regards,
Alyssa

Alyssa Riggins | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3142 | Fax: 919-783-9412
alyssa.riggins@ogletree.com | www.ogletree.com | [Bio](#)

From: Riggins, Alyssa
Sent: Monday, September 09, 2019 3:50 PM
To: 'Jones, Stanton' <Stanton.Jones@arnoldporter.com>; Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>
Cc: Farr, Thomas A. <thomas.farr@ogletreedeakins.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>; espeas@poynerspruill.com; melias@perkinscoie.com; AKhanna@perkinscoie.com; Rep. David Lewis <David.Lewis@ncleg.net>; Rep. Destin Hall <Destin.Hall@ncleg.net>; Rep. Elmer Floyd <Elmer.Floyd@ncleg.net>; Rep. John Sauls <John.Sauls@ncleg.net>; Rep. John Szoka <John.Szoka@ncleg.net>; Rep. John Torbett <John.Torbett@ncleg.net>; Rep. Cecil Brockman <Cecil.Brockman@ncleg.net>; Rep. Deb Butler <Deb.Butler@ncleg.net>; Rep. Holly Grange <Holly.Grange@ncleg.net>; Rep. Pricey Harrison <Pricey.Harrison@ncleg.net>; Rep. Kelly Hastings <Kelly.Hastings@ncleg.net>; Rep. Zack Hawkins <Zack.Hawkins@ncleg.net>; Rep. Craig Horn <Craig.Horn@ncleg.net>; Rep. Joe Sam Queen <Joe.Queen@ncleg.net>; Rep. Robert Reives <Robert.Reives@ncleg.net>; Rep. Jason Saine <Jason.Saine@ncleg.net>; Rep. Harry Warren

<Harry.Warren@ncleg.net>; Kara McCraw (Legislative Analysis) <Kara.McCraw@ncleg.net>; Jessica Sammons (Legislative Analysis) <Jessica.Sammons@ncleg.net>; Peter Capriglione (ISD, Director) <Peter.Capriglione@ncleg.gov>; Dan Frey <Dan.Frey@ncleg.net>; Raleigh Myers <Raleigh.Myers@ncleg.gov>; Mark Coggins (Rep. David Lewis) <Mark.Coggins@ncleg.net>; Dylan Reel (Rep. David Lewis) <Lewislsa@ncleg.net>

Subject: RE: Dr. Chen's maps and scores - House plans

Ms. Churchill,

Legislative Defendants will do the same. We request that Plaintiffs' copy us on their submission as well.

Best,
Alyssa

Alyssa Riggins | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3142 | Fax: 919-783-9412

alyssa.riggins@ogletree.com | www.ogletree.com | [Bio](#)

From: Jones, Stanton <Stanton.Jones@arnoldporter.com>

Sent: Monday, September 09, 2019 3:22 PM

To: Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>

Cc: Farr, Thomas A. <thomas.farr@ogletreedeakins.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>;

espeas@poynerspruill.com; melias@perkinscoie.com; AKhanna@perkinscoie.com; Riggins, Alyssa

<Alyssa.Riggins@ogletreedeakins.com>; Rep. David Lewis <David.Lewis@ncleg.net>; Rep. Destin Hall

<Destin.Hall@ncleg.net>; Rep. Elmer Floyd <Elmer.Floyd@ncleg.net>; Rep. John Sauls <John.Sauls@ncleg.net>; Rep.

John Szoka <John.Szoka@ncleg.net>; Rep. John Torbett <John.Torbett@ncleg.net>; Rep. Cecil Brockman

<Cecil.Brockman@ncleg.net>; Rep. Deb Butler <Deb.Butler@ncleg.net>; Rep. Holly Grange <Holly.Grange@ncleg.net>;

Rep. Pricey Harrison <Pricey.Harrison@ncleg.net>; Rep. Kelly Hastings <Kelly.Hastings@ncleg.net>; Rep. Zack Hawkins

<Zack.Hawkins@ncleg.net>; Rep. Craig Horn <Craig.Horn@ncleg.net>; Rep. Joe Sam Queen <Joe.Queen@ncleg.net>;

Rep. Robert Reives <Robert.Reives@ncleg.net>; Rep. Jason Saine <Jason.Saine@ncleg.net>; Rep. Harry Warren

<Harry.Warren@ncleg.net>; Kara McCraw (Legislative Analysis) <Kara.McCraw@ncleg.net>; Jessica Sammons

(Legislative Analysis) <Jessica.Sammons@ncleg.net>; Peter Capriglione (ISD, Director) <Peter.Capriglione@ncleg.gov>;

Dan Frey <Dan.Frey@ncleg.net>; Raleigh Myers <Raleigh.Myers@ncleg.gov>; Mark Coggins (Rep. David Lewis)

<Mark.Coggins@ncleg.net>; Dylan Reel (Rep. David Lewis) <Lewislsa@ncleg.net>

Subject: Re: Dr. Chen's maps and scores - House plans

Ms. Churchill:

Plaintiffs will send the requested data tonight.

Regards,
Stanton

Sent from my iPhone

On Sep 9, 2019, at 3:01 PM, Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net> wrote:

External E-mail

All,

The House Redistricting Committee met this afternoon, and is currently in recess. We committee staff have been instructed to obtain the 1,000 House of Representative maps produced by Dr. Chen, using

incumbency, and the related scores for compactness, split VTD's, and split municipalities. I believe we are looking for Simulation Set 2.

We would like to arrange to obtain copies as quickly as possible, and would prefer an Excel document for the related scores and shapefiles and block assignment files for the underlying maps. If there are any maps associated with the Simulation, particularly PDF versions, we would also be appreciative.

Please let us know if there is a website, or other location, from which we can access the files, or if you can provide.

Thank you,
Erika C

Erika Churchill
Staff Attorney, Legislative Analysis Division
North Carolina General Assembly
300 N. Salisbury St, Suite 200
Raleigh, NC 27603
(919)733-2578

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<http://www.arnoldporter.com>

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EXHIBIT C

From: Riggins, Alyssa <alyssa.riggins@ogletree.com>
Sent: Monday, September 9, 2019 4:21 PM
To: Erika Churchill (Legislative Analysis)
Cc: Sen. Warren Daniel; Sen. Dan Bishop; Sen. Paul Newton; Sen. John Alexander; Sen. Dan Blue; Sen. Danny Britt; Sen. Harry Brown; Sen. Ben Clark; Sen. Michael Garrett; Sen. Kathy Harrington; Sen. Brent Jackson; Sen. Natasha Marcus; Sen. Floyd McKissick; Sen. Bill Rabon; Peter Capriglione (ISD, Director; Raleigh Myers; Dan Frey; Jessica Sammons (Legislative Analysis; Kara McCraw (Legislative Analysis; Karen Cochrane-Brown (Legislative Analysis, Director; Farr, Thomas A.; Strach, Phillip J.; Sen. Ralph Hise; Sen. Warren Daniel; Sen. Dan Bishop; Sen. Paul Newton; Sen. John Alexander; Sen. Dan Blue; Sen. Danny Britt; Sen. Harry Brown; Sen. Ben Clark; Sen. Michael Garrett; Sen. Kathy Harrington; Sen. Brent Jackson; Sen. Natasha Marcus; Sen. Floyd McKissick; Sen. Bill Rabon; Peter Capriglione (ISD, Director; Raleigh Myers; Dan Frey; Jessica Sammons (Legislative Analysis; Kara McCraw (Legislative Analysis; Karen Cochrane-Brown (Legislative Analysis, Director; Farr, Thomas A.; Strach, Phillip J.; Jones, Stanton; melias@perkinscoie.com; espeas@poynerspruill.com
Subject: RE: Dr. Chen's maps and scores

External E-mail

Ms. Churchill,

Please find in the link below Dr. Chen's backup data produced to us on April 8, 2019 by Plaintiffs. In order to preserve data integrity, the backup data is in the same complete manner we received it from Plaintiffs. Please note that the appropriate Senate data you are looking for is Senate Set 2 within the backup. Please don't hesitate to reach out to me if you have any issues accessing the data.

<https://ogletreedeakins.sharefile.com/d-s5dade7822424c8ea>

Best Regards,
Alyssa

Alyssa Riggins | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3142 | Fax: 919-783-9412
alyssa.riggins@ogletree.com | www.ogletree.com | [Bio](#)

From: Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>
Sent: Monday, September 09, 2019 12:27 PM
To: Riggins, Alyssa <Alyssa.Riggins@ogletreedeakins.com>
Cc: Farr, Thomas A. <thomas.farr@ogletreedeakins.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>
Subject: FW: Dr. Chen's maps and scores

Alyssa,

Sorry I forgot to include you. I apologize.

Erika C

From: Erika Churchill (Legislative Analysis)

Sent: Monday, September 09, 2019 12:26 PM

To: 'Farr, Thomas A.' <thomas.farr@ogletree.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>; 'espeas@poynerspruill.com' <espeas@poynerspruill.com>; 'stanton.jones@arnoldporter.com' <stanton.jones@arnoldporter.com>; 'melias@perkinscoie.com' <melias@perkinscoie.com>; 'akhanna@perkinscoie.com' <akhanna@perkinscoie.com>

Cc: Sen. Ralph Hise <Ralph.Hise@ncleg.net>; Sen. Warren Daniel <Warren.Daniel@ncleg.net>; Sen. Dan Bishop <Dan.Bishop@ncleg.net>; Sen. Paul Newton <Paul.Newton@ncleg.net>; Sen. John Alexander <John.Alexander@ncleg.net>; Sen. Dan Blue <Dan.Blue@ncleg.net>; Sen. Danny Britt <Danny.Britt@ncleg.net>; Sen. Harry Brown <Harry.Brown@ncleg.net>; Sen. Ben Clark <Ben.Clark@ncleg.net>; Sen. Michael Garrett <Michael.Garrett@ncleg.net>; Sen. Kathy Harrington <Kathy.Harrington@ncleg.net>; Sen. Brent Jackson <Brent.Jackson@ncleg.net>; Sen. Natasha Marcus <Natasha.Marcus@ncleg.net>; Sen. Floyd McKissick <Floyd.McKissick@ncleg.net>; Sen. Bill Rabon <Bill.Rabon@ncleg.net>; Peter Capriglione (ISD, Director) <Peter.Capriglione@ncleg.gov>; Raleigh Myers <Raleigh.Myers@ncleg.gov>; Dan Frey <Dan.Frey@ncleg.net>; Jessica Sammons (Legislative Analysis) <Jessica.Sammons@ncleg.net>; Kara McCraw (Legislative Analysis) <Kara.McCraw@ncleg.net>; Karen Cochrane-Brown (Legislative Analysis, Director) <Karen.Cochrane-Brown@ncleg.net>

Subject: Dr. Chen's maps and scores

All,

The Senate Redistricting Committee met this morning, and we committee staff have been instructed to obtain the 1,000 maps produced by Dr. Chen, using incumbency, and the related scores for compactness, split VTD's, and split municipalities.

We would like to arrange to obtain copies as quickly as possible, and would prefer an Excel document for the related scores and shapefiles and block assignment files for the underlying maps. If there are any maps associated, we would also be appreciative.

Please let us know if there is a website, or other location, from which we can access the files, or if you can provide.

Thank you,
Erika C

Erika Churchill
Staff Attorney, Legislative Analysis Division
North Carolina General Assembly
300 N. Salisbury St, Suite 200
Raleigh, NC 27603
(919)733-2578

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EXHIBIT D

From: Riggins, Alyssa <alyssa.riggins@ogletree.com>
Sent: Monday, September 9, 2019 7:09 PM
To: Jacobson, Daniel; Erika Churchill (Legislative Analysis); Jones, Stanton
Cc: Farr, Thomas A.; Strach, Phillip J.; espeas@poynerspruill.com; melias@perkinscoie.com; zzz.External.AKhanna@perkinscoie.com; Rep. David Lewis; Rep. Destin Hall; Rep. Elmer Floyd; Rep. John Sauls; Rep. John Szoka; Rep. John Torbett; Rep. Cecil Brockman; Rep. Deb Butler; Rep. Holly Grange; Rep. Pricey Harrison; Rep. Kelly Hastings; Rep. Zack Hawkins; Rep. Craig Horn; Rep. Joe Sam Queen; Rep. Robert Reives; Rep. Jason Saine; Rep. Harry Warren; Kara McCraw (Legislative Analysis); Jessica Sammons (Legislative Analysis); Peter Capriglione (ISD, Director); Dan Frey; Raleigh Myers; Mark Coggins (Rep. David Lewis); Dylan Reel (Rep. David Lewis); Theodore, Elisabeth
Subject: RE: Dr. Chen's maps and scores - House plans

External E-mail

Dan,

Thank you for your email. Section 11(b) of the protective order allows confidential data to be disclosed to “Plaintiffs, Defendants, and employees of Plaintiffs or Defendants.” As such we believe there is clearly no violation of the protective order. However, if you identify with specificity the data you believe cannot be provided, we are willing to hear your concerns and work in good faith to resolve them. Nevertheless, out of an abundance of caution and respect for your position, the link has been disabled. It is also our understanding from subsequent communications to the group from Ms. Churchill that Legislative Staff have not completed downloading the data.

Best,
Alyssa

Alyssa Riggins | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3142 | Fax: 919-783-9412
alyssa.riggins@ogletree.com | www.ogletree.com | [Bio](#)

From: Jacobson, Daniel <Daniel.Jacobson@arnoldporter.com>
Sent: Monday, September 09, 2019 5:26 PM
To: Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>; Jones, Stanton <Stanton.Jones@arnoldporter.com>; Riggins, Alyssa <Alyssa.Riggins@ogletreedekins.com>
Cc: Farr, Thomas A. <thomas.farr@ogletreedekins.com>; Strach, Phillip J. <Phil.Strach@ogletreedekins.com>; espeas@poynerspruill.com; melias@perkinscoie.com; AKhanna@perkinscoie.com; Rep. David Lewis <David.Lewis@ncleg.net>; Rep. Destin Hall <Destin.Hall@ncleg.net>; Rep. Elmer Floyd <Elmer.Floyd@ncleg.net>; Rep. John Sauls <John.Sauls@ncleg.net>; Rep. John Szoka <John.Szoka@ncleg.net>; Rep. John Torbett <John.Torbett@ncleg.net>; Rep. Cecil Brockman <Cecil.Brockman@ncleg.net>; Rep. Deb Butler <Deb.Butler@ncleg.net>; Rep. Holly Grange <Holly.Grange@ncleg.net>; Rep. Pricey Harrison <Pricey.Harrison@ncleg.net>; Rep. Kelly Hastings <Kelly.Hastings@ncleg.net>; Rep. Zack Hawkins <Zack.Hawkins@ncleg.net>; Rep. Craig Horn <Craig.Horn@ncleg.net>; Rep. Joe Sam Queen <Joe.Queen@ncleg.net>; Rep. Robert Reives <Robert.Reives@ncleg.net>; Rep. Jason Saine <Jason.Saine@ncleg.net>; Rep. Harry Warren <Harry.Warren@ncleg.net>; Kara McCraw (Legislative Analysis) <Kara.McCraw@ncleg.net>; Jessica Sammons (Legislative Analysis) <Jessica.Sammons@ncleg.net>; Peter Capriglione (ISD, Director) <Peter.Capriglione@ncleg.gov>;

Dan Frey <Dan.Frey@ncleg.net>; Raleigh Myers <Raleigh.Myers@ncleg.gov>; Mark Coggins (Rep. David Lewis) <Mark.Coggins@ncleg.net>; Dylan Reel (Rep. David Lewis) <Lewislisa@ncleg.net>; Theodore, Elisabeth <Elisabeth.Theodore@arnoldporter.com>

Subject: RE: Dr. Chen's maps and scores - House plans

Ms. Churchill,

This applies to both the House and Senate plans and data that Legislative Defendants sent. Please confirm at your earliest convenience that all of the data that Legislative Defendants sent has been deleted.

Best,
Dan

Daniel Jacobson
Senior Associate

Arnold & Porter
601 Massachusetts Ave., NW
Washington | District of Columbia 20001-3743
T: +1 202.942.5602
Daniel.Jacobson@arnoldporter.com | www.arnoldporter.com

From: Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>

Sent: Monday, September 9, 2019 5:26 PM

To: Jones, Stanton <Stanton.Jones@arnoldporter.com>; Riggins, Alyssa <alyssa.riggins@ogletree.com>

Cc: Farr, Thomas A. <thomas.farr@ogletreedeakins.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>;
espeas@poynerspruill.com; melias@perkinscoie.com; zzz.External.AKhanna@perkinscoie.com

<AKhanna@perkinscoie.com>; Rep. David Lewis <David.Lewis@ncleg.net>; Rep. Destin Hall <Destin.Hall@ncleg.net>;

Rep. Elmer Floyd <Elmer.Floyd@ncleg.net>; Rep. John Sauls <John.Sauls@ncleg.net>; Rep. John Szoka

<John.Szoka@ncleg.net>; Rep. John Torbett <John.Torbett@ncleg.net>; Rep. Cecil Brockman

<Cecil.Brockman@ncleg.net>; Rep. Deb Butler <Deb.Butler@ncleg.net>; Rep. Holly Grange <Holly.Grange@ncleg.net>;

Rep. Pricey Harrison <Pricey.Harrison@ncleg.net>; Rep. Kelly Hastings <Kelly.Hastings@ncleg.net>; Rep. Zack Hawkins

<Zack.Hawkins@ncleg.net>; Rep. Craig Horn <Craig.Horn@ncleg.net>; Rep. Joe Sam Queen <Joe.Queen@ncleg.net>;

Rep. Robert Reives <Robert.Reives@ncleg.net>; Rep. Jason Saine <Jason.Saine@ncleg.net>; Rep. Harry Warren

<Harry.Warren@ncleg.net>; Kara McCraw (Legislative Analysis) <Kara.McCraw@ncleg.net>; Jessica Sammons

(Legislative Analysis) <Jessica.Sammons@ncleg.net>; Peter Capriglione (ISD, Director) <Peter.Capriglione@ncleg.gov>;

Dan Frey <Dan.Frey@ncleg.net>; Raleigh Myers <Raleigh.Myers@ncleg.gov>; Mark Coggins (Rep. David Lewis)

<Mark.Coggins@ncleg.net>; Dylan Reel (Rep. David Lewis) <Lewislisa@ncleg.net>; Jacobson, Daniel

<Daniel.Jacobson@arnoldporter.com>; Theodore, Elisabeth <Elisabeth.Theodore@arnoldporter.com>

Subject: RE: Dr. Chen's maps and scores - House plans

External E-mail

Mr. Jones,

Might I inquire as to whether this applies to both House and Senate information from Dr. Chen, or just the House?

Thanks,
Erika C

From: Jones, Stanton <Stanton.Jones@arnoldporter.com>

Sent: Monday, September 09, 2019 5:04 PM

To: Riggins, Alyssa <alyssa.riggins@ogletree.com>; Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>

Cc: Farr, Thomas A. <thomas.farr@ogletreedeakins.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>; espeas@poynerspruill.com; melias@perkinscoie.com; AKhanna@perkinscoie.com; Rep. David Lewis <David.Lewis@ncleg.net>; Rep. Destin Hall <Destin.Hall@ncleg.net>; Rep. Elmer Floyd <Elmer.Floyd@ncleg.net>; Rep. John Sauls <John.Sauls@ncleg.net>; Rep. John Szoka <John.Szoka@ncleg.net>; Rep. John Torbett <John.Torbett@ncleg.net>; Rep. Cecil Brockman <Cecil.Brockman@ncleg.net>; Rep. Deb Butler <Deb.Butler@ncleg.net>; Rep. Holly Grange <Holly.Grange@ncleg.net>; Rep. Pricey Harrison <Pricey.Harrison@ncleg.net>; Rep. Kelly Hastings <Kelly.Hastings@ncleg.net>; Rep. Zack Hawkins <Zack.Hawkins@ncleg.net>; Rep. Craig Horn <Craig.Horn@ncleg.net>; Rep. Joe Sam Queen <Joe.Queen@ncleg.net>; Rep. Robert Reives <Robert.Reives@ncleg.net>; Rep. Jason Saine <Jason.Saine@ncleg.net>; Rep. Harry Warren <Harry.Warren@ncleg.net>; Kara McCraw (Legislative Analysis) <Kara.McCraw@ncleg.net>; Jessica Sammons (Legislative Analysis) <Jessica.Sammons@ncleg.net>; Peter Capriglione (ISD, Director) <Peter.Capriglione@ncleg.gov>; Dan Frey <Dan.Frey@ncleg.net>; Raleigh Myers <Raleigh.Myers@ncleg.gov>; Mark Coggins (Rep. David Lewis) <Mark.Coggins@ncleg.net>; Dylan Reel (Rep. David Lewis) <Lewislsa@ncleg.net>; Jacobson, Daniel <Daniel.Jacobson@arnoldporter.com>; Theodore, Elisabeth <Elisabeth.Theodore@arnoldporter.com>
Subject: Re: Dr. Chen's maps and scores - House plans

I'm copying colleagues who was not included on the original email below. Please use this thread for any replies, which will ensure the fastest possible response from Plaintiffs. Thank you.

Sent from my iPhone

On Sep 9, 2019, at 4:45 PM, Jones, Stanton <Stanton.Jones@arnoldporter.com> wrote:

Ms. Churchill:

The data Ms. Riggins provided below includes Dr. Chen's computer code which is designated Confidential under the Court's Consent Protective Order in the Common Cause v. Lewis case, and therefore should not have been provided. In addition, the data Ms. Riggins provided below includes extensive partisan data, including partisan scoring of the simulated maps, all of which the General Assembly is prohibited from considering in this remedial process under the Court's September 3 Judgment. For both reasons, please immediately delete Ms. Riggins's email below, and if you have already downloaded the data provided through the link, please destroy that data as well. Please reply to this email to confirm that both the email and the data have been deleted. Also, please advise if the data has been shared with anyone else, including other legislative staff and any legislator.

We will send appropriate data tonight, per my earlier email.

Thank you for your prompt attention to this.

Regards,
Stanton

Sent from my iPhone

On Sep 9, 2019, at 4:24 PM, Riggins, Alyssa <alyssa.riggins@ogletree.com> wrote:

External E-mail

Ms. Churchill,

Please find in the link below Dr. Chen's backup data produced to us on April 8, 2019 by Plaintiffs. In order to preserve data integrity, the backup data is in the same complete manner we received it from Plaintiffs. You are correct in that the appropriate House

data you are looking for is House Set 2 within the backup. Please don't hesitate to reach out to me if you have any issues accessing the data.

<https://ogletreedeakins.sharefile.com/d-s5dade7822424c8ea>

Best Regards,
Alyssa

Alyssa Riggins | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3142 | Fax: 919-783-9412

alyssa.riggins@ogletree.com | www.ogletree.com | [Bio](#)

From: Riggins, Alyssa

Sent: Monday, September 09, 2019 3:50 PM

To: 'Jones, Stanton' <Stanton.Jones@arnoldporter.com>; Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>

Cc: Farr, Thomas A. <thomas.farr@ogletreedeakins.com>; Strach, Phillip J.

<Phil.Strach@ogletreedeakins.com>; espeas@poynerspruill.com;

melias@perkinscoie.com; AKhanna@perkinscoie.com; Rep. David Lewis

<David.Lewis@ncleg.net>; Rep. Destin Hall <Destin.Hall@ncleg.net>; Rep. Elmer Floyd

<Elmer.Floyd@ncleg.net>; Rep. John Sauls <John.Sauls@ncleg.net>; Rep. John Szoka

<John.Szoka@ncleg.net>; Rep. John Torbett <John.Torbett@ncleg.net>; Rep. Cecil

Brockman <Cecil.Brockman@ncleg.net>; Rep. Deb Butler <Deb.Butler@ncleg.net>; Rep.

Holly Grange <Holly.Grange@ncleg.net>; Rep. Pricey Harrison

<Pricey.Harrison@ncleg.net>; Rep. Kelly Hastings <Kelly.Hastings@ncleg.net>; Rep. Zack

Hawkins <Zack.Hawkins@ncleg.net>; Rep. Craig Horn <Craig.Horn@ncleg.net>; Rep. Joe

Sam Queen <Joe.Queen@ncleg.net>; Rep. Robert Reives <Robert.Reives@ncleg.net>;

Rep. Jason Saine <Jason.Saine@ncleg.net>; Rep. Harry Warren

<Harry.Warren@ncleg.net>; Kara McCraw (Legislative Analysis)

<Kara.McCraw@ncleg.net>; Jessica Sammons (Legislative Analysis)

<Jessica.Sammons@ncleg.net>; Peter Capriglione (ISD, Director)

<Peter.Capriglione@ncleg.gov>; Dan Frey <Dan.Frey@ncleg.net>; Raleigh Myers

<Raleigh.Myers@ncleg.gov>; Mark Coggins (Rep. David Lewis)

<Mark.Coggins@ncleg.net>; Dylan Reel (Rep. David Lewis) <Lewisla@ncleg.net>

Subject: RE: Dr. Chen's maps and scores - House plans

Ms. Churchill,

Legislative Defendants will do the same. We request that Plaintiffs' copy us on their submission as well.

Best,
Alyssa

Alyssa Riggins | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3142 | Fax:

From: Jones, Stanton <Stanton.Jones@arnoldporter.com>
Sent: Monday, September 09, 2019 3:22 PM
To: Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net>
Cc: Farr, Thomas A. <thomas.farr@ogletreedeakins.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>; espeas@poynerspruill.com; melias@perkinscoie.com; AKhanna@perkinscoie.com; Riggins, Alyssa <Alyssa.Riggins@ogletreedeakins.com>; Rep. David Lewis <David.Lewis@ncleg.net>; Rep. Destin Hall <Destin.Hall@ncleg.net>; Rep. Elmer Floyd <Elmer.Floyd@ncleg.net>; Rep. John Sauls <John.Sauls@ncleg.net>; Rep. John Szoka <John.Szoka@ncleg.net>; Rep. John Torbett <John.Torbett@ncleg.net>; Rep. Cecil Brockman <Cecil.Brockman@ncleg.net>; Rep. Deb Butler <Deb.Butler@ncleg.net>; Rep. Holly Grange <Holly.Grange@ncleg.net>; Rep. Pricey Harrison <Pricey.Harrison@ncleg.net>; Rep. Kelly Hastings <Kelly.Hastings@ncleg.net>; Rep. Zack Hawkins <Zack.Hawkins@ncleg.net>; Rep. Craig Horn <Craig.Horn@ncleg.net>; Rep. Joe Sam Queen <Joe.Queen@ncleg.net>; Rep. Robert Reives <Robert.Reives@ncleg.net>; Rep. Jason Saine <Jason.Saine@ncleg.net>; Rep. Harry Warren <Harry.Warren@ncleg.net>; Kara McCraw (Legislative Analysis) <Kara.McCraw@ncleg.net>; Jessica Sammons (Legislative Analysis) <Jessica.Sammons@ncleg.net>; Peter Capriglione (ISD, Director) <Peter.Capriglione@ncleg.gov>; Dan Frey <Dan.Frey@ncleg.net>; Raleigh Myers <Raleigh.Myers@ncleg.gov>; Mark Coggins (Rep. David Lewis) <Mark.Coggins@ncleg.net>; Dylan Reel (Rep. David Lewis) <Lewislsa@ncleg.net>
Subject: Re: Dr. Chen's maps and scores - House plans

Ms. Churchill:
Plaintiffs will send the requested data tonight.

Regards,
Stanton

Sent from my iPhone

On Sep 9, 2019, at 3:01 PM, Erika Churchill (Legislative Analysis) <Erika.Churchill@ncleg.net> wrote:

External E-mail

All,

The House Redistricting Committee met this afternoon, and is currently in recess. We committee staff have been instructed to obtain the 1,000 House of Representative maps produced by Dr. Chen, using incumbency, and the related scores for compactness, split VTD's, and split municipalities. I believe we are looking for Simulation Set 2.

We would like to arrange to obtain copies as quickly as possible, and would prefer an Excel document for the related scores and shapefiles and block assignment files for the underlying maps. If there are any

maps associated with the Simulation, particularly PDF versions, we would also be appreciative.

Please let us know if there is a website, or other location, from which we can access the files, or if you can provide.

Thank you,
Erika C

Erika Churchill
Staff Attorney, Legislative Analysis Division
North Carolina General Assembly
300 N. Salisbury St, Suite 200
Raleigh, NC 27603
(919)733-2578

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EXHIBIT E

From: Jacobson, Daniel
Sent: Monday, September 9, 2019 4:59 PM
To: 'Farr, Thomas A.'; Jones, Stanton; 'Speas, Edwin M.'; 'cmackie@poynerspruill.com'; 'Braden, E. Mark'; 'McKnight, Katherine L. (kmcknight@bakerlaw.com)'; 'Stanley, Trevor M.'; 'Lewis, Patrick T.'; 'Raile, Richard (rraile@bakerlaw.com)'; 'Strach, Phillip J.'; 'McKnight, Michael D.'; 'Riggins, Alyssa'; 'John Branch'; 'sbrennan@ncdoj.gov'; 'Cox, Paul'; Theodore, Elisabeth
Subject: RE: Incumbent addresses

Alyssa, I understand that you sent a link to the legislative staff that has all of the backup data we sent you for Dr. Chen's maps, including partisanship scoring and computer code that was designated confidential under the protective order. Can you confirm asap that you've removed all of these files from the link?

Daniel Jacobson
Senior Associate

Arnold & Porter
601 Massachusetts Ave., NW
Washington | District of Columbia 20001-3743
T: +1 202.942.5602
Daniel.Jacobson@arnoldporter.com | www.arnoldporter.com

From: Jacobson, Daniel
Sent: Wednesday, September 4, 2019 11:34 AM
To: 'Farr, Thomas A.' <thomas.farr@ogletree.com>; Jones, Stanton <Stanton.Jones@arnoldporter.com>; Speas, Edwin M. <espeas@poynerspruill.com>; cmackie@poynerspruill.com; Braden, E. Mark <MBraden@bakerlaw.com>; McKnight, Katherine L. (kmcknight@bakerlaw.com) <kmcknight@bakerlaw.com>; Stanley, Trevor M. <tstanley@bakerlaw.com>; Lewis, Patrick T. <plewis@bakerlaw.com>; Raile, Richard (rraile@bakerlaw.com) <rraile@bakerlaw.com>; Strach, Phillip J. <Phil.Strach@ogletreedeakins.com>; McKnight, Michael D. <Michael.McKnight@ogletreedeakins.com>; Riggins, Alyssa <Alyssa.Riggins@ogletreedeakins.com>; John Branch <jbranch@shanahanlawgroup.com>; sbrennan@ncdoj.gov; Cox, Paul <pcox@ncdoj.gov>
Subject: Incumbent addresses

Phil,

In light of the Court's order yesterday and its direction regarding the criteria to be used for the remedial plans, please send us an updated list of the home addresses of the current incumbents in the relevant districts by next Monday, September 9.

Best,
Dan

Daniel Jacobson
Senior Associate

Arnold & Porter
601 Massachusetts Ave., NW
Washington | District of Columbia 20001-3743

T: +1 202.942.5602

Daniel.Jacobson@arnoldporter.com | www.arnoldporter.com

EXHIBIT F

Simulated Map A710: **From House Simulation Set 1 (Following Only Non-Partisan Redistricting Criteria)**

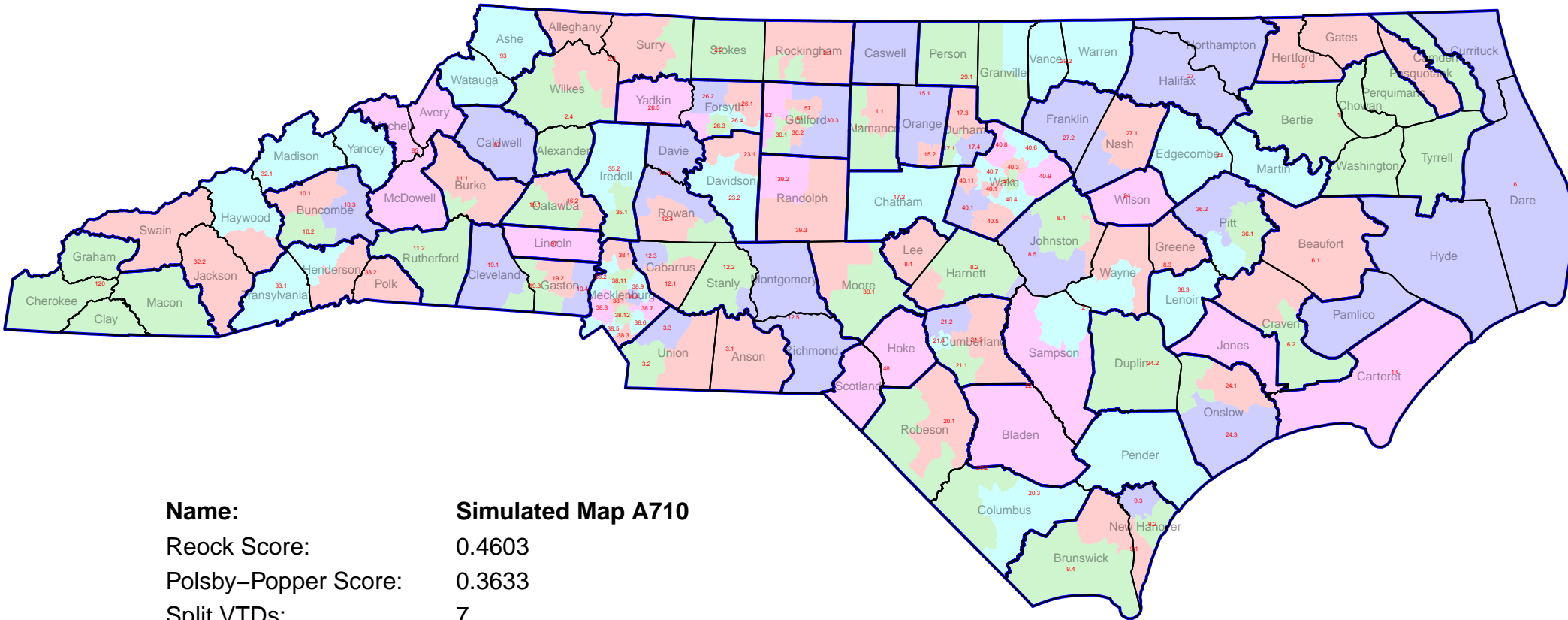


EXHIBIT G



Services

POLIDATA

Services

ELECTION DATABASE DEVELOPMENT AND ANALYSIS; VOTE GOALS, TARGETING

Election Analysis

A basic problem with many campaigns is targeting scarce resources for the most efficient use. Targeting analysis reviews previous election results for several years or races to prioritize your resources for scheduling, fundraising, vote goals or get-out-the-vote efforts.

Election Data

We have been collecting election data for over twenty years and have developed a data system which combines multiple levels of political geography into a archiving and retrieval format. There are certainly holes in our collection but we have county-level election results for most states for most races since 1980.

Resources and Tools

The tools which are used in a pc-compatible environment include: Microsoft FoxPro 2.5/2.6 for DOS/Windows; Atlas GIS for Windows; SymScript by Symbiotic Systems; Microsoft Excel; Microsoft Word; Wordperfect; TIGER Boundary Translator by Micro Map and CAD; Graphics Server by Pinnacle; SPSS for DOS; and, of course, Microsoft DOS/Windows (3.1 and 95).

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EXHIBIT H

STATE OF NORTH CAROLINA	IN THE GENERAL COURT OF JUSTICE
	SUPERIOR COURT DIVISION
COUNTY OF WAKE	11 CVS 16896
	11 CVS 16940

MARGARET DICKSON, et al.,

Plaintiffs,

vs.
ROBERT RUCHO, in his
official capacity only as
the Chairman of the North
Carolina Senate
Redistricting Committee,
et al.,

Defendants.

NORTH CAROLINA STATE)
CONFERENCE OF BRANCHES OF)
THE NAACP, et al.,)
)
Plaintiffs,)
vs.)
STATE OF NORTH CAROLINA,)
et al.,)
)
Defendants.)

DEPOSITION OF DALE OLDHAM, ESQ.

9:36 A.M.
WEDNESDAY, JUNE 27, 2012

POYNER SPRUILL
301 FAYETTEVILLE STREET
SUITE 1900
RALEIGH, NC 27601

By: Denise Myers Byrd, CSR 8340, RPR

1 Q. Do you know the characteristics of them?

2 MR. FARR: Objection to form.

3 THE WITNESS: I remember the broad aspects
4 of them. There were significant changes that were
5 made between that point and the final enacted maps.

6 BY MR. SPEAS:

7 Q. Would you describe the plans as you remember them,
8 starting with the House plan?

9 MR. FARR: I'm going to object. This can
10 all be addressed by Dr. Hofeller.

11 THE WITNESS: Yes.

12 BY MR. SPEAS:

13 Q. Can you describe the Senate plan as you recall it?

14 MR. FARR: Objection.

15 MR. SPEAS: And instruct him not to
16 answer?

17 MR. FARR: Yes.

18 MR. SPEAS: Let me show you another document
19 which we will mark as 399.

20 (WHEREUPON, Exhibit 399 was marked for
21 identification.)

22 BY MR. SPEAS:

23 Q. This is an e-mail dated May 18, 2011, from Tom Farr
24 to Clark Benson, Tom Hofeller and you.

25 Do you recognize this?

1 A. Not offhand.

2 Q. Do you know who Clark Benson is?

3 A. I do know who Clark Benson is.

4 Q. Who is he?

5 A. Clark Benson runs a data firm known as Polidata as
6 is up there.

7 Q. Did Clark Benson participate in the North Carolina
8 redistricting in the 2010 cycle?

9 A. Well, he provided data. I don't think he
10 participated beyond that.

11 Q. Do you know what data he provided?

12 A. Data, data.

13 Q. Whatever. Cromartie, Cromartie.

14 A. Right.

15 No, I wouldn't know the exact nature of the
16 data that he provided.

17 Q. Have you worked with Mr. Benson before?

18 A. Yes.

19 Q. Mr. Oldham, I want to show you a map and data sheet
20 previously marked in this case as Exhibit 388 --
21 378, I'm sorry -- for a plan called George 2-2
22 bearing the date May 26, 2011.

23 And I'm sorry, gentlemen, I don't have
24 another copy of it.

25 But if you would take a minute, Mr. Oldham,

EXHIBIT I

From: Farr, Thomas A. May 18, 2011 2:47:39 PM (-04)
To: Tom Hofeller - Redistricting; dloesq@aol.com; Dale Oldham - Redistricting
Cc: Clark Bensen/POLIDATA
Bcc:
Subject: attorney client communication/consulting expert
Attachments:

Fellows

I just got word last night that the leadership wants all three maps enacted by June 30. Therefore we have to push the schedule.

We need to hold a joint committee hearing to take evidence including a statement from our testifying expert.

ideally the leadership now wants that hearing on or about June 1.

Clark, can we discuss feasibility. Our testify expert says he needs 5 to 7 days so that means you would need to pass off the information by next Tuesday, 5-24.

Tom, that would mean that leadership needs you here loading maps into state system late May and early June.

Can we talk today if possible as I am in Virginia tomorrow and Friday.

Thanks

Tom

Thomas A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3174 | Fax: 919-783-9412

thomas.farr@ogletreedeakins.com | www.ogletreedeakins.com

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From: Farr, Thomas A. May 18, 2011 3:28:49 PM (-04)
To: Clark Bensen/POLIDATA; Tom Hofeller - Redistricting; dloesq@aol.com; Dale Oldham - Redistricting
Cc:
Bcc:
Subject: RE: attorney client communication/consulting expert
Attachments:

OK Clark. I read you. If Brunell needs a week and you push as hard as you can, when is the earliest you think you can get an acceptable set of data to him. It is important to know so that the leaders can notice a committee meeting asap for a reasonable time frame.

The Speaker told me last night to tell you that the faster you can go, he will compensate you for premium work or , if it would help you, pay for you to have assistance.

Thanks for everything.

Thomas A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3174 | Fax: 919-783-9412

thomas.farr@ogletreedeakins.com | www.ogletreedeakins.com

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From: Clark Bensen/POLIDATA [mailto:clark@polidata.org]
Sent: Wednesday, May 18, 2011 3:16 PM
To: Farr, Thomas A.; thofeller@rnchq.org; dloesq@aol.com; 'Dale Oldham - Redistricting'
Subject: RE: attorney client communication/consulting expert

Tom (Farr),

Of course, there is only so much data I can pull together and pass along to Tom Brunell by then...I'm peddling as fast as I can already...I don't see how a call will move things along any faster at this point.

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Clark Bensen | POLIDATA LLC | Tel: 703-690-4066

Vermont Office: 1303 Hayward Road | P.O. Box 530 | Corinth, VT 05039

Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: **Fwd:**
Attachments:

April 24, 2012 9:49:00 AM (-04)

From:
To:
Cc:
Bcc:
Subject: **NC GE2010**
Attachments: [rbvsg_nc_ld046_ge2010_nc_house_of_representatives_district_46_ind_chk.pdf](#) [rbvsg_NC_LD046_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_46_IND.csv](#) [rbvsg_nc_ld046_ge2010_nc_house_of_representatives_district_46_ind_sum.pdf](#)

April 24, 2012 9:49:00 AM (-04)

N. C. House Dist. =46	Douglas Y. Yongue	Male	White	N/L	Democrat	2196
N. C. House Dist. =46	Gaston Pridgen	Male	White	N/L	Republican	2932

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Vermont Office: 1303 Hayward Road | P.O. Box 530 | =orinth, VT 05039
Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From:
To:
Cc:
Bcc:

April 24, 2012 9:49:00 AM (-04)

Subject: NC GE2010

Attachments: [rbvsg_NC_LD047_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_47_IND.csv](#) [rbvsg_nc_ld047_ge2010_nc_house_of_representatives_district_47_ind_sum.pdf](#)
[rbvsg_nc_ld047_ge2010_nc_house_of_representatives_district_47_ind_chk.pdf](#)

N. C. House Dist. =47	Charles Graham	Male	American Indian N/L	Democrat	7865
N. C. House Dist. =47	Brawleigh J. =raham	Male	American Indian N/L	Republican	3903

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Vermont Office: 1303 Hayward Road | P.O. Box 530 | =orinth, VT 05039
Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From:
To:
Cc:
Bcc:
Subject: NC GE2010

April 24, 2012 9:49:00 AM (-04)

Attachments: [rbvsg_NC_LD048_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_48_BLK.csv](#) [rbvsg_nc_ld048_ge2010_nc_house_of_representatives_district_48_blk_sum.pdf](#)
[rbvsg_nc_ld048_ge2010_nc_house_of_representatives_district_48_blk_chk.pdf](#) [rbvsg_NC_LD047_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_47_BLK.csv](#)
[rbvsg_nc_ld047_ge2010_nc_house_of_representatives_district_47_blk_sum.pdf](#) [rbvsg_nc_ld047_ge2010_nc_house_of_representatives_district_47_blk_chk.pdf](#)
[rbvsg_NC_LD046_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_46_BLK.csv](#) [rbvsg_nc_ld046_ge2010_nc_house_of_representatives_district_46_blk_sum.pdf](#)
[rbvsg_nc_ld046_ge2010_nc_house_of_representatives_district_46_blk_chk.pdf](#)

Same, 46, 47, 48 but for BLK as =OI.

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Clark Bensen | POLIDATA LLC | Tel: =03-690-4066
Vermont Office: 1303 Hayward Road | P.O. Box 530 | =orinth, VT 05039
Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From: April 24, 2012 9:49:00 AM (-04)
To:
Cc:
Bcc:
Subject: NC SP2004

Attachments: [rbvsg_nc_ld048_sp2004_nc_state_house_district_48_ind_chk.pdf](#) [rbvsg_NC_LD048_SP2004_NC_STATE_HOUSE_DISTRICT_48_IND.csv](#)
[rbvsg_nc_ld048_sp2004_nc_state_house_district_48_ind_sum.pdf](#)

2004	7/20/04 Primary	NC State House District =8	Garland E. Pierce	Male B	UN	Dem	733
		NC State House District =8	Russell C. Smith	Male W	NL	Dem	76
		NC State House District =8	J.D. Willis	Male B	NL	Dem	805

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efax: 202-318-0793 | email: clark@polidata.org

From: April 24, 2012 9:49:00 AM (-04)
To:
Cc:
Bcc:
Subject: NC SP2004 REDO

Attachments: [rbvsg_nc_ld048_sp2004_nc_state_house_district_48_ind_chk.pdf](#) [rbvsg_NC_LD048_SP2004_NC_STATE_HOUSE_DISTRICT_48_IND.csv](#)
[rbvsg_nc_ld048_sp2004_nc_state_house_district_48_ind_sum.pdf](#)

2004	7/20/04 Primary	NC State House District 48	Garland E. Pierce	Male B	UN	Dem	733
		NC State House District 48	Russell C. Smith	Male W	NL	Dem	76
		NC State House District 48	J.D. Willis	Male B	NL	Dem	805

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From: April 24, 2012 9:49:00 AM (-04)
To:
Cc:
Bcc:
Subject: **NC GE2010**

Attachments: [rbvsg_nc_ld058_ge2010_nc_house_of_representatives_district_58_blk_chk.pdf](#) [rbvsg_NC_LD058_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_58_BLK.csv](#)
[rbvsg_nc_ld058_ge2010_nc_house_of_representatives_district_58_blk_sum.pdf](#) [rbvsg_nc_ld060_ge2010_nc_house_of_representatives_district_60_blk_chk.pdf](#)
[rbvsg_NC_LD060_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_60_BLK.csv](#) [rbvsg_nc_ld060_ge2010_nc_house_of_representatives_district_60_blk_sum.pdf](#)

THOMAS

W
M
RE

8948

2010 General

STATE HOUSE OF REPRESENTATIVES

DIST 60
MARCUS
MARCUS
BRANDON
B
M
DE

10664

2010 General

STATE HOUSE OF REPRESENTATIVES

DIST 0

LONNIE

R

WILSON

W

M

RE

4646

From:
To:
Cc:
Bcc:
Subject: NC GE2010

April 24, 2012 9:49:00 AM (-04)

Attachments: [rbvsg_nc_ld033_ge2010_nc_house_of_representatives_district_33_blk_chk.pdf](#) [rbvsg_NC_LD033_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_33_BLK.csv](#) [rbvsg_nc_ld033_ge2010_nc_house_of_representatives_district_33_blk_sum.pdf](#) [rbvsg_nc_ld101_ge2010_nc_house_of_representatives_district_101_blk_chk.pdf](#) [rbvsg_NC_LD101_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_101_BLK.csv](#) [rbvsg_nc_ld101_ge2010_nc_house_of_representatives_district_101_blk_sum.pdf](#)

11/02/2010	NC HOUSE DISTRICT =3	ROSA	GILL	F	B	NL	DEM	18426
11/02/2010	NC HOUSE DISTRICT =3	PAUL	TERRELL	M	W	NL	REP	5262

General								2010
NC State House 101								
Beverly Miller =arle								
F								
B								
NL								
Dem								
								15,184
								2010
General								
NC State House 101								
Rebecca H. Steen								
F								
W								
UN								
Rep								
								5,253

From:

To:

Cc:

Bcc:

Subject: NC GE2010

Attachments: [rbvsg_nc_ld107_ge2010_nc_house_of_representatives_district_107_blk_chk.pdf](#) [rbvsg_nc_ld107_ge2010_nc_house_of_representatives_district_107_blk_sum.pdf](#) [rbvsg_NC_LD107_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_107_BLK.csv](#)

April 24, 2012 9:49:00 AM (-04)

I modified the =#8216;sum.pdf’ a bit:

- 1) it =oes not list precincts in the HMP section if they are a precinct that =ill be excluded below
- 2) I added a section at the end =#8220;E)” that lists the records actually included in the .csv =ile
- 3) I added some section breaks =o that there is a) HMP; b) problems/exclusion; and c) included =ecords

General
NC State House 107
Kelly Alexander
M
B
NL
Dem

2010

13,132
2010

General
NC State House 107
Debbie Ware
F
W
NL
Rep

6,392

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efax: 202-318-0793 | email: clark@polidata.org =o:p>

From:
To:
Cc:
Bcc:
Subject: NC GE2010

April 24, 2012 9:49:00 AM (-04)

Attachments: [rbvsg_nc_sd021_ge2010_nc_state_senate_district_21_blk_chk.pdf](#) [rbvsg_NC_SD004_GE2010_NC_STATE_SENATE_DISTRICT_4_BLK.csv](#)
[rbvsg_nc_sd004_ge2010_nc_state_senate_district_4_blk_sum.pdf](#) [rbvsg_nc_sd004_ge2010_nc_state_senate_district_4_blk_chk.pdf](#)
[rbvsg_NC_SD021_GE2010_NC_STATE_SENATE_DISTRICT_21_BLK.csv](#) [rbvsg_nc_sd021_ge2010_nc_state_senate_district_21_blk_sum.pdf](#)

10-Gen.	NC Senate 4	Edward Jones	M	B	Democratic
10-Gen.	NC Senate 4	Rich Halbert	M	W	Republican =o:p>

NC SENATE DISTRICT =1	2010
Eric L. Mansfield	
M	
B	
NL	
DEM	
	21004
	2010
NC SENATE DISTRICT =1	
Wade Fowler	
M	
W	
NL	
REP	
	10062

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From:
To:
Cc:
Bcc:
Subject: NC GE2010

April 24, 2012 9:49:00 AM (-04)

Attachments: [rbvsg_nc_sd028_ge2010_nc_state_senate_district_28_blk_chk.pdf](#) [rbvsg_NC_SD028_GE2010_NC_STATE_SENATE_DISTRICT_28_BLK.csv](#) [rbvsg_nc_sd028_ge2010_nc_state_senate_district_28_blk_sum.pdf](#) [rbvsg_nc_sd014_ge2010_nc_state_senate_district_14_blk_chk.pdf](#) [rbvsg_NC_SD014_GE2010_NC_STATE_SENATE_DISTRICT_14_BLK.csv](#) [rbvsg_nc_sd014_ge2010_nc_state_senate_district_14_blk_sum.pdf](#)

2010 General	STATE =ENATE	DIST 28	GLADYS	A	ROBINSON	B	F	DE	21496
2010 General	STATE SENATE	DIST =8	TRUDY	LYNN	WADE	W	F	RE	17383

11/02/2010

NC SENATE DISTRICT =4

DANIEL
BLUE

M
B
NL
DEM

11/02/2010

NC SENATE DISTRICT =4

GEOFFREY

HURLBURT
M
M
NL
REP

21067

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From:

To:

Cc:

Bcc:

Subject: NC GE2010

Attachments: [rbvsg_nc_sd020_ge2010_nc_state_senate_district_20_blk_chk.pdf](#) [rbvsg_NC_SD020_GE2010_NC_STATE_SENATE_DISTRICT_20_BLK.csv](#) [rbvsg_nc_sd020_ge2010_nc_state_senate_district_20_blk_sum.pdf](#) [rbvsg_nc_sd005_ge2010_nc_state_senate_district_5_blk_chk.pdf](#) [rbvsg_NC_SD005_GE2010_NC_STATE_SENATE_DISTRICT_5_BLK.csv](#) [rbvsg_nc_sd005_ge2010_nc_state_senate_district_5_blk_sum.pdf](#)

April 24, 2012 9:49:00 AM (-04)

2010 Elec.	NC SENATE 20	Floyd B. Mckissick, Jr. o:p>	M	B	NL	DEM	38,309
2010 =lec.	NC SENATE =0	John Tarantino o:p>	M	W	NL	REP	14,092

M
B
NL
D

11/2/10

NC Senate (5)
Louis M. Pate, Jr. =o:p>

M
W
NL
R

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From:	April 24, 2012 9:49:00 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC GE2010
Attachments:	rbvsg_nc_sd024_ge2010_nc_state_senate_district_24_blk_chk.pdf rbvsg_NC_SD024_GE2010_NC_STATE_SENATE_DISTRICT_24_BLK.csv rbvsg_nc_sd024_ge2010_nc_state_senate_district_24_blk_sum.pdf rbvsg_nc_sd040_ge2010_nc_state_senate_district_40_blk_chk.pdf rbvsg_NC_SD040_GE2010_NC_STATE_SENATE_DISTRICT_40_BLK.csv rbvsg_nc_sd040_ge2010_nc_state_senate_district_40_blk_sum.pdf

Nov-10	NC Senate-Dist. 24	Tony Foriest	M	B	NL	DEM	16,911
Nov-10	NC Senate-Dist. =4	Rick =unn	M	W	NL	REP	22,307
Nov-10	NC Senate-Dist. =4	Barry =oe	M	W	NL	LIB	2217

2010

General
NC State Senate 40
Malcolm Graham
M

B
NL
Dem

32,168
2010

General
NC State Senate 40
John Aneralla
M
W
NL
Rep

23,145

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efax: 202-318-0793 | email: clark@polidata.org =o:p>

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: **Fwd:**

April 24, 2012 9:49:22 AM (-04)

Attachments:

From:
To:
Cc:
Bcc:
Subject: **NC notes**

April 24, 2012 9:49:22 AM (-04)

Attachments:

Ok, so I was so clever to add the field header record for you...but I was also clever enough to get it wrong...

The data are in the original format and not as indicated on the header...

i.e., <p>

Not <#8220;RegWht", "RegBlk">

But <#8220;RegBlk", "RegWht">

Same <or "VotWht", "VotBlk">.

This <nly affects the header record, none of the data and none of the listings.>

So, if <ou were using the header and getting odd results...this could <plain it.>

My <ad...

From:
To:
Cc:
Bcc:
Subject: **NC SCOTL**

April 24, 2012 9:49:22 AM (-04)

Attachments: [rbvsg_nc_cyscotl_sp2010_school_board_at_large_ind_chk.pdf](#) [rbvsg_NC_CYSCOTL_SP2010_SCHOOL_BOARD_AT_LARGE_IND.csv](#)
[rbvsg_nc_cyscotl_sp2010_school_board_at_large_ind_sum.pdf](#) [rbvsg_nc_cyscotl_sp2010_school_board_at_large_blk_chk.pdf](#)
[rbvsg_NC_CYSCOTL_SP2010_SCHOOL_BOARD_AT_LARGE_BLK.csv](#) [rbvsg_nc_cyscotl_sp2010_school_board_at_large_blk_sum.pdf](#) [rbvsg_nc_cyscotl_sp2010_sheriff_-_dem_blk_chk.pdf](#) [rbvsg_NC_CYSCOTL_SP2010_SHERIFF_-_DEM_IND.csv](#) [rbvsg_nc_cyscotl_sp2010_sheriff_-_dem_ind_sum.pdf](#) [rbvsg_nc_cyscotl_sp2010_sheriff_-_dem_ind_chk.pdf](#) [rbvsg_NC_CYSCOTL_SP2010_SHERIFF_-_DEM_BLK.csv](#) [rbvsg_nc_cyscotl_sp2010_sheriff_-_dem_blk_sum.pdf](#)

The districts 46, 47, and 48, =re all in one county grouping (POD) and there are some county-level =aces which I will provide for both BLK and IND.

The =irst race, School Board-AL, looks like 2 members get elected because =he NETVH indicates lots of credits `missing`. =o:p>

This is a non-partisan office =o all voters are considered together.

	2010
	5/4/10
Primary	
School Board - At =arge James Underwood, =r. Male B NL -	
School Board - At =arge Jennifer E. ='Donnell Female W NL	2439

School Board - At =arge Calvin Newton Male W NL -	1773
School Board - At =arge Vicki C. Jackson Female B NL -	1136
School Board - At =arge Charlie Fipps Male W NL -	1788
School Board - At =arge Jimmy R. Bennett Male W NL -	1780
	1959

The =heriff races are for a Dem Primary but I can only find data for 2010 =ight now.

2010

Sheriff
Mike Webb
Male
W
NL
Dem

Sheriff

2155

Shep Jones
Male
B
NL
Dem

3630

2006

Sheriff
Mike Webb
Male
W
NL
Dem

1522

Sheriff
Shep Jones
Male
B
NL
Dem

1937

Sheriff
Buddy Blalock
Male
W
NL
Dem

1272

From: April 24, 2012 9:49:22 AM (-04)
To:
Cc:
Bcc:
Subject: NC LD060

Attachments: [rbvsg_nc_ld060_ge2006_nc_state_house_district_060_blk_chk.pdf](#) [rbvsg_NC_LD060_GE2006_NC_STATE_HOUSE_DISTRICT_060_BLK.csv](#)
[rbvsg_nc_ld060_ge2006_nc_state_house_district_060_blk_sum.pdf](#)

2006 General	NC STATE =OUSE	DIST 60	EARL	FREDERICK	JONES	B	M	DE	6417
2006 General	NC STATE HOUSE	DIST =0	WILLIAM	STURART	WRIGHT	W	M	RE	4285

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From: April 24, 2012 9:49:22 AM (-04)
To:
Cc:
Bcc:
Subject: NC LD043

Attachments: [rbvsg_nc_ld040_sp2010_nc_house_district_43_-_dem_blk_chk.pdf](#) [rbvsg_NC_LD040_SP2010_NC_HOUSE_DISTRICT_43_-_DEM_BLK.csv](#)
[rbvsg_nc_ld040_sp2010_nc_house_district_43_-_dem_blk_sum.pdf](#) [rbvsg_nc_ld043_sp2006_nc_state_house_district_043_blk_chk.pdf](#)
[rbvsg_NC_LD043_SP2006_NC_STATE_HOUSE_DISTRICT_043_BLK.csv](#) [rbvsg_nc_ld043_sp2006_nc_state_house_district_043_blk_sum.pdf](#)
[rbvsg_nc_ld043_sp2004_nc_state_house_district_43_blk_chk.pdf](#) [rbvsg_NC_LD043_SP2004_NC_STATE_HOUSE_DISTRICT_43_BLK.csv](#)
[rbvsg_nc_ld043_sp2004_nc_state_house_district_43_blk_sum.pdf](#)

2010	NC HOUSE DISTRICT =3	Mary E. McAllister	F	B	NL	DEM	1127	Primary
2010	NC HOUSE DISTRICT =3	Elmer Floyd	M	W	NL	DEM	2172	Primary

Again, =008 primary but data problems.

NC STATE HOUSE DISTRICT =43 Mary E. McAllister	2006
	F
	B
	NL
	DEM
	1679
Primary	
	2006
NC STATE HOUSE DISTRICT =43 Elmer Floyd	
	M
	W
	NL
	DEM
	1132
Primary	
	2004
NC STATE HOUSE DISTRICT =3 Elmer Floyd	
	M
	W
	NL
	DEM
	1376
Primary	
	2004
NC STATE HOUSE DISTRICT =3 Mary McAllister	
	F
	B
	NL
	DEM
	1875
Primary	

From: April 24, 2012 9:49:22 AM (-04)
To:
Cc:
Bcc:
Subject: NC LD008 REDO

Attachments: [rbvsg_nc_ld008_sp2006_nc_state_house_district_008_blk_chk.pdf](#) [rbvsg_NC_LD008_SP2004_NC_STATE_HOUSE_DISTRICT_8_BLK.csv](#)
[rbvsg_nc_ld008_sp2004_nc_state_house_district_8_blk_sum.pdf](#) [rbvsg_nc_ld008_sp2004_nc_state_house_district_8_blk_chk.pdf](#)
[rbvsg_NC_LD008_SP2006_NC_STATE_HOUSE_DISTRICT_008_BLK.csv](#) [rbvsg_nc_ld008_sp2006_nc_state_house_district_008_blk_sum.pdf](#)

This replaces the previous =mail...I had incorrectly named those files as “SD008” =ut they should have been “LD008”.

2006 Primary
NC House of Representatives District =
Edith D. Warren
Female
White
Not Hispanic or Not Latino
Democratic
2006 Primary
NC House of Representatives District =
Derek K. Brown
Male
Black
Not Hispanic or Not Latino
Democratic

I also =ade a few more refinements to the ‘chk.pdf’ in =#8220;C)” and “D)” clarifying that the matching =roblems are excluded as well as the absentees.

2004 Primary
NC House of Representatives District =
Edith D. Warren
Female
White
Not Hispanic or Not Latino

Democratic
2004 Primary
NC House of Representatives District =
Mary Lawrence Williams
Female
Black
Not Hispanic or Not Latino
Democratic

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From:	April 24, 2012 9:49:22 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC LD008
Attachments:	rbvsg_nc_sd008_sp2006_nc_state_house_district_008_blk_chk.pdf rbvsg_NC_SD008_SP2006_NC_STATE_HOUSE_DISTRICT_008_BLK.csv rbvsg_nc_sd008_sp2006_nc_state_house_district_008_blk_sum.pdf rbvsg_NC_SD008_SP2004_NC_STATE_HOUSE_DISTRICT_8_BLK.csv rbvsg_nc_sd008_sp2004_nc_state_house_district_8_blk_sum.pdf rbvsg_nc_sd008_sp2004_nc_state_house_district_8_blk_chk.pdf

I also made a few more refinements to the 'chk.pdf' in #8220;C)" and "D)" clarifying that the matching problems are excluded as well as the absentees.

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2006 Primary	NC House of Representatives District =	Edith D. Warren	Female	White	=atino	Not Hispanic or Not	Democratic
2006 Primary	NC House of Representatives District =	Derek K. Brown	Male	Black	=atino	Not Hispanic or Not	Democratic
2004 Primary	NC House of Representatives District =	Edith D. Warren	Female	White	=atino	Not Hispanic or Not	Democratic
2004 Primary	NC House of Representatives District =	Mary Lawrence =illiams	Female	Black	=atino	Not Hispanic or Not	Democratic

From:
To:
Cc:
Bcc:
Subject: NC SD032

April 24, 2012 9:49:22 AM (-04)

Attachments: [rbvsg_nc_sd032_sp2010_nc_state_senate_district_32_-_dem_blk_chk.pdf](#) [rbvsg_NC_SD032_SP2010_NC_STATE_SENATE_DISTRICT_32_-_DEM_BLK.csv](#)
[rbvsg_nc_sd032_sp2010_nc_state_senate_district_32_-_dem_blk_sum.pdf](#) [rbvsg_nc_sd032_sp2004_nc_state_senate_district_32_blk_chk.pdf](#)
[rbvsg_NC_SD032_SP2004_NC_STATE_SENATE_DISTRICT_32_BLK.csv](#) [rbvsg_nc_sd032_sp2004_nc_state_senate_district_32_blk_sum.pdf](#)

2010 =	NC Senate-32nd	Edward Hanes	M	B	UN	Dem	1,155
2010 P	NC =enate-32nd	Linda =arrou	F	W	NL	Dem	5,036

2004 =

NC Senate-32nd
Jermaine Baxter
M
B
NL
Dem

2004 P

NC =enate-32nd

Linda =arrou

F

W

NL

1,400

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From:
To:
Cc:
Bcc:
Subject: NC SD014

April 24, 2012 9:49:22 AM (-04)

Attachments: [rbvsg_nc_sd014_ge2004_nc_state_senate_district_14_blk_chk.pdf](#) [rbvsg_NC_SD014_GE2004_NC_STATE_SENATE_DISTRICT_14_BLK.csv](#)
[rbvsg_nc_sd014_ge2004_nc_state_senate_district_14_blk_sum.pdf](#) [rbvsg_nc_sd014_ge2006_nc_state_senate_district_14_blk_chk.pdf](#)
[rbvsg_NC_SD014_GE2006_NC_STATE_SENATE_DISTRICT_14_BLK.csv](#) [rbvsg_nc_sd014_ge2006_nc_state_senate_district_14_blk_sum.pdf](#)

11/2/2004	NC STATE SENATE DISTRICT =4	VERNON	MALONE	M	B	NL	DEM	45727
11/2/2004	NC STATE SENATE DISTRICT =4	JOHN	ODOM	M	W	NL	REP	25595

For E2004/GE2006, lots of absentee votes that are credited by precinct but still reported centrally.

11/07/2006

NC STATE SENATE DISTRICT =4

JAMES
DOEFFINGER

M

W

NL

REP

13644

11/07/2006

NC STATE SENATE DISTRICT =4

VERNON

MALONE

M

B

NL

DEM

26404

There =as a race in both DP2008 and GE2008 but I have a data issue with both =f these elections right now.

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Vermont Office: 1303 Hayward Road | P.O. Box 530 | =orinth, VT 05039
Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From:	April 24, 2012 9:49:22 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC SD003
Attachments:	rbvsg_nc_sd003_sp2010_nc_state_senate_district_3_-_dem_blk_chk.pdf rbvsg_NC_SD003_SP2010_NC_STATE_SENATE_DISTRICT_3_-_DEM_BLK.csv rbvsg_nc_sd003_sp2010_nc_state_senate_district_3_-_dem_blk_sum.pdf

2010 Primary	NC State Senate District =	Frankie L. =ordeaux	Male	Black	Not Hispanic or Not =atino	Democratic	2,965
2010 Primary	NC State Senate District =	Clark Jenkins	Male	White	Not Hispanic or Not =atino	Democratic	3,328
2010 Primary	NC State Senate District =	Florence Arnold =rmstrong	Female	Black	Not Hispanic or Not =atino	Democratic	583

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From:
To:
Cc:
Bcc:
Subject: **NC SD021**

April 24, 2012 9:49:22 AM (-04)

Attachments: [rbvsg_NC_SD021_GE2004_NC_STATE_SENATE_DISTRICT_21_BLK.csv](#) [rbvsg_nc_sd021_ge2004_nc_state_senate_district_21_blk_sum.pdf](#)
[rbvsg_nc_sd021_ge2004_nc_state_senate_district_21_blk_chk.pdf](#) [rbvsg_nc_sd021_ge2006_nc_state_senate_district_21_blk_chk.pdf](#)
[rbvsg_NC_SD021_GE2006_NC_STATE_SENATE_DISTRICT_21_BLK.csv](#) [rbvsg_nc_sd021_ge2006_nc_state_senate_district_21_blk_sum.pdf](#)

2004	NC STATE SENATE DISTRICT =1	Larry Shaw	M	B	NL	DEM	27866	General
2004	NC STATE SENATE DISTRICT =1	Richard D. Evans	M	W	U	REP	16434	General
2004	NC STATE SENATE DISTRICT =1	Brian Irving	M	W	NL	LIB	1225	General

2006

NC STATE SENATE DISTRICT =1
Larry Shaw

M
B
NL
DEM
13412

General

2006

NC STATE SENATE DISTRICT =1
Juanita M. =onzalez

F
W
NL
REP
8344

General

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From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: **Fwd:**
Attachments:

April 24, 2012 9:49:43 AM (-04)

----- Forwarded message -----

From: **Clark Bensen/POLIDATA** <clark@polidata.org>
Date: Mon, Apr 23, 2012 at 3:03 PM
Subject:
To: Tom Brunell <tbrunell@gmail.com>

From:
To:
Cc:
Bcc:
Subject: **NC**
Attachments: [ls11_pl2010_nc_vtd_cyabb_eq_scotl.pdf](#) [ls11_pl2010_nc_vtd_minpva_ge_90.pdf](#) [ls11_pl2010_nc_vtd_nhbpva_ge_80.pdf](#) [ls11_pl2010_nc_vtd_hsppva_ge_25.pdf](#) [ls11_pl2010_nc_vtd_nhapa_ge_15.pdf](#) [ls11_pl2010_nc_vtd_nhipva_ge_50.pdf](#) [ls11_pl2010_nc_vtd_cyabb_eq_robes.pdf](#) [ls11_pl2010_nc_vtd_cyabb_eq_hoke.pdf](#)

April 24, 2012 9:49:43 AM (-04)

I've attached a few listings of the PL2010 data so you can get a feel for the concentration of some population subgroups in the state.

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From:
To:
Cc:
Bcc:
Subject: **NC 46, 47, 48**
Attachments: [rbvsg_nc_cyrobessp2010_us_senate_dem_blk_chk.pdf](#) [rbvsg_NC_CYROBESSP2010_US_SENATE_DEM_IND.csv](#) [rbvsg_nc_cyrobessp2010_us_senate_dem_ind_sum.pdf](#) [rbvsg_nc_cyrobessp2010_us_senate_dem_ind_chk.pdf](#) [rbvsg_NC_CYROBESSP2010_US_SENATE_DEM_BLK.csv](#) [rbvsg_nc_cyrobessp2010_us_senate_dem_blk_sum.pdf](#) [rbvsg_nc_cyroke_sp2010_us_senate_dem_blk_chk.pdf](#) [rbvsg_NC_CYHOKE_SP2010_US_SENATE_DEM_IND.csv](#) [rbvsg_nc_cyroke_sp2010_us_senate_dem_ind_sum.pdf](#) [rbvsg_nc_cyroke_sp2010_us_senate_dem_ind_chk.pdf](#) [rbvsg_NC_CYHOKE_SP2010_US_SENATE_DEM_BLK.csv](#) [rbvsg_nc_cyroke_sp2010_us_senate_dem_blk_sum.pdf](#)

April 24, 2012 9:49:43 AM (-04)

[rbvsg_nc_cyscotl_sp2010_us_senate - dem_blk_chk.pdf](#) [rbvsg_NC_CYSCOTL_SP2010_US_SENATE - DEM_IND.csv](#)
[rbvsg_nc_cyscotl_sp2010_us_senate - dem_ind_sum.pdf](#) [rbvsg_nc_cyscotl_sp2010_us_senate - dem_ind_chk.pdf](#)
[rbvsg_NC_CYSCOTL_SP2010_US_SENATE - DEM_BLK.csv](#) [rbvsg_nc_cyscotl_sp2010_us_senate - dem_blk_sum.pdf](#)

In order to get a statewide primary for the 3 districts (46, 47, and 48) in HOKE, ROBES, SCOTL, I need to run them as separate county files.

ROBES =as portions of all three and HOKE portions of 46, 48 and SCOTL portions =f 46, 48: 47 is all in ROBES.

Another note: of course, WHT here means Non-BLK or Non-IND and varies with each extract of data.

Marcus
W.
Williams
Democrat
Robeson
Lumberton
African American
Primary
lost to =arshall
Wilma (Ann)
Benson
Worthy
Democrat
Gaston
Gastonia
African American
Primary
lost to =arshall
Ken

Lewis
Democrat
Orange
Chapel Hill
African American
Primary
lost to =arshall

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From:
To:
Cc:
Bcc:
Subject:

April 24, 2012 9:49:43 AM (-04)

NC 46,47,48 GE2008P

Attachments: [rbvsg_nc_ld046_ge2008_president_blk_chk.pdf](#) [rbvsg_NC_LD048_GE2008_PRESIDENT_BLK.csv](#) [rbvsg_nc_ld048_ge2008_president_blk_sum.pdf](#) [rbvsg_nc_ld048_ge2008_president_blk_chk.pdf](#) [rbvsg_NC_LD047_GE2008_PRESIDENT_BLK.csv](#) [rbvsg_nc_ld047_ge2008_president_blk_sum.pdf](#) [rbvsg_NC_LD046_GE2008_PRESIDENT_BLK.csv](#) [rbvsg_nc_ld046_ge2008_president_blk_sum.pdf](#) [rbvsg_nc_ld046_ge2008_president_ind_chk.pdf](#) [rbvsg_NC_LD048_GE2008_PRESIDENT_IND.csv](#) [rbvsg_nc_ld048_ge2008_president_ind_sum.pdf](#) [rbvsg_nc_ld048_ge2008_president_ind_chk.pdf](#) [rbvsg_NC_LD047_GE2008_PRESIDENT_IND.csv](#) [rbvsg_nc_ld047_ge2008_president_ind_sum.pdf](#) [rbvsg_nc_ld047_ge2008_president_ind_chk.pdf](#) [rbvsg_NC_LD046_GE2008_PRESIDENT_IND.csv](#) [rbvsg_nc_ld046_ge2008_president_ind_sum.pdf](#)

I can now run data for the =E2008 but still can't for the SP2008.

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From:
To:
Cc:
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April 24, 2012 9:49:43 AM (-04)

NC SP2004 Court of Appeals

Attachments: [rbvsg_nc_cyhoke_sp2004_court_of_appeals_judge_\(thornburg\)_blk_chk.pdf](#) [rbvsg_NC_CYHOKE_SP2004_COURT_OF_APPEALS_JUDGE_\(THORNBURG\)_IND.csv](#) [rbvsg_nc_cyhoke_sp2004_court_of_appeals_judge_\(thornburg\)_ind_sum.pdf](#) [rbvsg_nc_cyhoke_sp2004_court_of_appeals_judge_\(thornburg\)_ind_chk.pdf](#) [rbvsg_NC_CYHOKE_SP2004_COURT_OF_APPEALS_JUDGE_\(THORNBURG\)_BLK.csv](#) [rbvsg_nc_cyhoke_sp2004_court_of_appeals_judge_\(thornburg\)_blk_sum.pdf](#) [rbvsg_nc_cyrobessp2004_court_of_appeals_judge_\(thornburg\)_blk_chk.pdf](#) [rbvsg_NC_CYROBES_SP2004_COURT_OF_APPEALS_JUDGE_\(THORNBURG\)_IND.csv](#) [rbvsg_nc_cyrobessp2004_court_of_appeals_judge_\(thornburg\)_ind_sum.pdf](#) [rbvsg_nc_cyrobessp2004_court_of_appeals_judge_\(thornburg\)_ind_chk.pdf](#) [rbvsg_NC_CYROBES_SP2004_COURT_OF_APPEALS_JUDGE_\(THORNBURG\)_BLK.csv](#) [rbvsg_nc_cyrobessp2004_court_of_appeals_judge_\(thornburg\)_blk_sum.pdf](#) [rbvsg_nc_cyscotl_sp2004_court_of_appeals_judge_\(thornburg\)_blk_chk.pdf](#) [rbvsg_NC_CYSCOTL_SP2004_COURT_OF_APPEALS_JUDGE_\(THORNBURG\)_IND.csv](#) [rbvsg_nc_cyscotl_sp2004_court_of_appeals_judge_\(thornburg\)_ind_sum.pdf](#) [rbvsg_nc_cyscotl_sp2004_court_of_appeals_judge_\(thornburg\)_ind_chk.pdf](#) [rbvsg_NC_CYSCOTL_SP2004_COURT_OF_APPEALS_JUDGE_\(THORNBURG\)_BLK.csv](#) [rbvsg_nc_cyscotl_sp2004_court_of_appeals_judge_\(thornburg\)_blk_sum.pdf](#)

Marcus W. Williams Democrat Robeson Lumberton African American Primary lost to =ackson

By =ounty, for HOKE, ROBES, SCOTL

However, looks like the data =re of minimal use for SCOTL because the absentees being centrally =abulated/reported means that half of the credits are missing for all =ut 2 precincts.

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From:
To:
Cc:
Bcc:
Subject: **NC SD024**

April 24, 2012 9:49:43 AM (-04)

Attachments: [rbvsg_nc_sd024_ge2006_nc_state_senate_district_24_blk_chk.pdf](#)
[rbvsg_NC_SD024_GE2006_NC_STATE_SENATE_DISTRICT_24_BLK.csv](#)
[rbvsg_nc_sd024_ge2006_nc_state_senate_district_24_blk_sum.pdf](#)
[rbvsg_nc_sd024_sp2006_nc_state_senate_district_24_blk_chk.pdf](#)
[rbvsg_NC_SD024_SP2006_NC_STATE_SENATE_DISTRICT_24_BLK.csv](#)
[rbvsg_nc_sd024_sp2006_nc_state_senate_district_24_blk_sum.pdf](#)
[rbvsg_nc_sd024_ge2004_nc_state_senate_district_24_blk_chk.pdf](#)
[rbvsg_NC_SD024_GE2004_NC_STATE_SENATE_DISTRICT_24_BLK.csv](#)
[rbvsg_nc_sd024_ge2004_nc_state_senate_district_24_blk_sum.pdf](#)

Nov-06	NC Senate-Dist. 24	Tony Foriest	M	B	NL	DEM	13,958
Nov-06	NC Senate-Dist. =4	Hugh =ebster	M	W	NL	REP	14,541

Actually, the final results are =ifferent (not sure where they got the above); Foriest won by a couple =f hundred votes...see the =#8220;sum.pdf”.

May-06

NC Senate-Dist. 24
Tim Purgason

M
W
UN
DEM
511

May-06

NC Senate-Dist. =4
Tony =oriest

M
B
NL
DEM
1703

Nov-04

NC Senate-Dist. 24
Tony Foriest

M
B
NL
DEM
21,361

Nov-04

NC Senate-Dist. =4
Hugh =ebster

M
W
UN
REP
31,459

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From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: **Fwd:**

April 24, 2012 2:30:20 PM (-04)

Attachments:

----- Forwarded message -----

From: **Clark Bensen/POLIDATA** <clark@polidata.org>
Date: Tue, Apr 24, 2012 at 11:19 AM
Subject:
To: Tom Brunell <tbrunell@gmail.com>

From:
To:
Cc:
Bcc:
Subject: **NC data**

April 24, 2012 2:30:20 PM (-04)

Attachments:

North Carolina is one of a handful of states that reports voter registration and turnout by party and by race.

Therefore, the source data for this review originated with the NC State Board of Elections (SBOE) and was compiled for me by Clark Bensen of Polidata.

The data provided by the SBOE consisted of both election results and individual voter registration and voter turnout summarized by race and by party for precincts.

In addition, matching the appropriate precinct across each of the three datasets (election results by candidate, voter registration by race, and voter turnout by race) presented extra work.

A review of the matching process indicated some improbable, if not impossible, cases. For example, too many voters based upon the count of registrants.

The observation was excluded from the analysis if the data items were likely to represent some improbable results.

Precincts that might be split by a district line were also excluded if the differences between the voter

registration and voter turnout was sizeable.

Likewise, absentee, and other similar votes, that were not redirected to the registration precinct for tabulation are excluded from the dataset. The manner by which these were tabulated varied by county and by year.

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From:	April 24, 2012 2:30:20 PM (-04)
To:	
Cc:	
Bcc:	
Subject:	status
Attachments:	

Big thunderstorm coming on me right now...may need to take a break...I think you should plan on running the whole state for the Obama primary...I will try and get you a whole state file but it will be a while.

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efax: 202-318-0793 | email: clark@polidata.org

From:	April 24, 2012 2:30:20 PM (-04)
To:	

Cc:
Bcc:
Subject: misc

Attachments:

You should probably just kill the specific reference in my data language about split precincts and just leave it as something like, “matching checks were made and if the results seem improbable, the observation was excluded”...that covers things more generally....i’m sure there were some split precincts that made it through because they were split in the right direction...I didn’t check them out specifically but relied upon the proportion of the votes to the credits as the threshold.

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From: April 24, 2012 2:30:20 PM (-04)
To:
Cc:
Bcc:
Subject: sched

Attachments:

What’s your plan for today?
I think any new draft will work for them now and we can work on style on Monday.

Do you need anything else from me?

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Methods: "Most districts" vs "Most precincts" or VTDs

Data: solid data reference...you can kill this as far as I am concerned. Just move the first sentence to be the end of the first paragraph and save the second paragraph start with "The data..."

Numbering sections: I think it would be quite beneficial for all concerned if you could add pagination and also number or letter each major section, or even add a double line between sections...at least for those after "the data"...e.g., the 2008 Dem Prim could be #8220;A."

In the 2008 dem prim... "In the VTDs" vs "In these TDs"

Same section, paragraph following the figure..."voters favoring" vs "voters favored"

Later on: "50, I choose" vs "50, I chose"

FYI:

Jackson County, one of the few section 5 counties in the southwestern part of the state is the outlier in several analyses. This was also the county added after the 1972 elections because turnout was below 50%. I suspect this is related to the expansion of the voter pool due to the age reduction to 18 and the presence of a college in the small county which has very few AA residents.

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From:
To:

April 24, 2012 2:30:20 PM (-04)

Cc:
Bcc:
Subject: RE: typos

Attachments:

Not yet...

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efax: =02-318-0793 | email: clark@=olidata.org

**From:=/b> =om Brunell [mailto:tbrunell@gmail.com]
Sent: Monday, June =3, 2011 10:28 AM
To: Clark Bensen/POLIDATA
Subject: =e: typos**

Did you hear back from Farr on this in =erms of more additions or anything?

On Mon, Jun 13, 2011 at 7:11 AM, Clark Bensen/POLIDATA =lt;clark@polidata.org> =rote:

Intro: “In this report examine” =/span>è “In this report I =xamine”

Exec sum: “more analyzing” =/span>è “more =nalysis”

Global: “VTD’s” è “VTDs”

Methods: “Most districts” =/span>è “Most precincts” or =TDs

Data: Polidata reference...you can kill this =s far as I am concerned. Just move the first sentence to be the end of
=he first paragraph and have the second paragraph start with “The =ata...”

Numbering sections: I think it would be quite =eneficial for all concerned if you could add pagination and also
=umber or letter each major section, or even add a double line between =ections...at least for those after “the
=ata”...e.g., the 2008 Dem Prm could be =#8220;A.”.

In the 2008 dem prm...”In the =TDs” è “In these =TDs”
Same section, paragraph following the =igure...”voters favoring” è “voters =avored”

Later on: “50, I choose” =/span>è “50, I =hose”

FYI:

Jackson County, one of the few section 5 counties in the southwestern part of the state is the outlier in several analyses. This was also the county added after the 1972 elections because turnout was below 50%. I suspect this is related to the expansion of the voter pool due to the age reduction to 18 and the presence of a college in the small county which has very few African Americans.

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From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: **Fwd:**
Attachments:

April 24, 2012 2:31:26 PM (-04)

----- Forwarded message -----

From: **Clark Bensen/POLIDATA** <clark@polidata.org>
Date: Tue, Apr 24, 2012 at 11:18 AM
Subject:
To: Tom Brunell <tbrunell@gmail.com>

From:
To:
Cc:
Bcc:
Subject: **data paragraph**
Attachments:

April 24, 2012 2:31:26 PM (-04)

I'll do that in the =M.

I'm almost ready (i =ope) to send you the Obama primary for the state. Just ignore the =on-DOJ+ counties because I haven't had time to run through them =et.

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Clark Bensen | POLIDATA LLC | Tel: =03-690-4066
Vermont Office: 1303 Hayward Road | P.O. Box 530 | =orinth, VT 05039
Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From:
To:
Cc:
Bcc:
Subject: **RE: data paragraph**

April 24, 2012 2:31:26 PM (-04)

Attachments:

I would...yes.

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Vermont =ffice: 1303 Hayward Road | P.O. Box 530 | Corinth, VT 05039 =/span>

efax: =02-318-0793 | email: clark@=olidata.org

**From:=/b> =om Brunell [mailto:tbrunell@gmail.com]
Sent: Wednesday, June =8, 2011 8:56 PM
To: Clark Bensen/POLIDATA
Subject: =e: data paragraph**

can I use =he file you sent a couple hours ago or not?

I already started on =t.

On Wed, Jun 8, 2011 at 3:42 =M, Clark Bensen/POLIDATA <clark@polidata.org> =rote:
I'll do that in the =M.
I'm almost ready (i hope) to send you the =bama primary for the state. Just ignore the non-DOJ+ counties
because I =aven't had time to run through them yet.

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Vermont =ffice: 1303 Hayward Road | P.O. Box 530 | Corinth, VT 05039 =/span>
Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: [202-318-0793](tel:202-318-0793) | email: clark@polidata.org

<=o:p>

From: Tom Brunell
To: Farr, Thomas A.
Cc: Clark Bensen/POLIDATA
Bcc:
Subject: **Re:**

May 17, 2011 5:08:51 PM (-04)

Attachments:

I am available.

On Tuesday, May 17, 2011, Farr, Thomas A.
wrote:

>
>
>
>
>
>
>
>
> Fellows
>
> The two Nc
> redistricting chairs have scheduled a joint committee meeting for taking
> evidence on June 8, 2011.
>
> We need to discuss.
> Are you available in the morning?
>
> Tom
>
>
> Thomas
> A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.
> 4208 Six
> Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3174 | Fax:
> 919-783-9412
> thomas.farr@ogletreedeakins.com
> | www.ogletreedeakins.com
>
>
>

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>
>
>
>
>

From: Farr, Thomas A.
To: 'Tom Brunell'
Cc:
Bcc:
Subject: RE:

May 18, 2011 8:40:58 AM (-04)

Attachments:

Clark

I am out tomorrow and Friday so if it is possible to talk some time today that would be awesome.

The leadership wants to push up the hearing by a week.

Tom

Thomas A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.
4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3174 | Fax: 919-783-9412
thomas.farr@ogletreedeakins.com | www.ogletreedeakins.com

-----Original Message-----

From: Tom Brunell [mailto:tbrunell@gmail.com]
Sent: Tuesday, May 17, 2011 8:22 PM
To: Farr, Thomas A.
Cc: Clark Bensen/POLIDATA
Subject: Re:

Would this be in person? Or phone?

On Tuesday, May 17, 2011, Farr, Thomas A.
wrote:

>
>
>
>
>
>
>
>
> Fellows
>
> The two Nc
> redistricting chairs have scheduled a joint committee meeting for
> taking evidence on June 8, 2011.
>
> We need to discuss.
> Are you available in the morning?
>
> Tom
>
>
> Thomas
> A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.
> 4208 Six
> Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3174 | Fax:
> 919-783-9412
> thomas.farr@ogletreedeakins.com
> | www.ogletreedeakins.com
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>
>
>
>

May 24, 2011 8:28:48 PM (-04)

Attachments:

2 pm Eastern works for me

On Tuesday, May 24, 2011, Clark Bensen/POLIDATA wrote:

[illegible]

> Clark Bensen | POLIDATA LLC | Tel: 703-690-4066
> Vermont Office: 1303 Hayward Road | P.O. Box 530 | Corinth, VT 05039
>
> Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
> efax: 202-318-0793 | email: clark@polidata.org

> From: Farr, Thomas A.
> [mailto:thomas.farr@ogletreedeakins.com]
> Sent: Tuesday, May 24, 2011 5:55
> PM
> To: clark@polidata.org
> Subject: Re: sched

```
> How about 2?
> -----
> Sent from my BlackBerry Wireless Device
>
> This transmission is intended by the sender and proper
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> from disclosure under applicable law. If you are not the intended
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> computer. Receipt by anyone other than the proper recipient(s) is not a waiver
> of any attorney-client, work product, or other applicable privilege.
> Thank you.
>
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> imposed upon the taxpayer under the Internal Revenue Code of 1986, as amended;
> and (b) Any written statement contained herein relating to any federal tax
> transaction or issue may not be used by any individual or entity to recommend
> or support the promotion or marketing of any such transaction or issue.
>
>
>
>
> From: Clark Bensen/POLIDATA
> To: Farr,
> Thomas A.
> Sent: Tue May 24 11:38:07 2011
> Subject: sched
>
> Tom,
>
> I have been sending data to Tom Brunell
> for review...I think we are finally in the production mode..perhaps a conference
> call with the three of us would be useful tomorrow morning.
>
> Clark
>
>
>
>
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> Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
> efax: 202-318-0793 | email: clark@polidata.org
```


From: Tom Brunell
To: Farr, Thomas A.
Cc: Clark Bensen/POLIDATA
Bcc:
Subject: Re: attorney client communication/consulting expert privilege
Attachments:

June 03, 2011 6:17:41 PM (-04)

Sure 972-883-4963

Tom

On Friday, June 3, 2011, Farr, Thomas A.
wrote:

>
>
>
>
>
>
>
> Fellows
>
> Can we do a
> conference call Monday at 3:00 PM. I will initiate.

> Thanks

> Tom

>
>
> Thomas
> A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.
> 4208 Six
> Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: 919-789-3174 | Fax:
> 919-783-9412
> thomas.farr@ogletreedeakins.com
> | www.ogletreedeakins.com
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>
>
>
>
>

From: Tom Brunell
To: Farr, Thomas A.; Clark Bensen
Cc:
Bcc:
Subject: Re: consulting expert privilege

June 06, 2011 3:15:20 PM (-04)

Attachments: [RBV analysis report.docx](#)

here is what I have thus far.

On Mon, Jun 6, 2011 at 1:35 PM, Farr, Thomas A. <thomas.farr@ogletreedeakins.com> wrote:

Tom

I am told that information on congressional races is on state board of elections web site.

Will be calling at 3 pm

Tom

Thomas A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: [919-789-3174](tel:919-789-3174) | Fax: [919-783-9412](tel:919-783-9412)

thomas.farr@ogletreedeakins.com | www.ogletreedeakins.com

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From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: Fwd: FW: NC

April 24, 2012 9:47:53 AM (-04)

Attachments:

I am going to forward you the messages from clark. I tried to burn a cd and it did not work. Sorry as I am about to clog your inbox.

----- Forwarded message -----

From: **Clark Bensen/POLIDATA** <clark@polidata.org>
Date: Mon, Apr 23, 2012 at 2:59 PM
Subject: FW: NC
To: Tom Brunell <tbrunell@gmail.com>

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
email: clark@polidata.org

From: Clark Bensen/POLIDATA [mailto:clark@polidata.org]
Sent: Wednesday, May 18, 2011 3:37 PM

To: 'Tom Brunell'
Subject: NC

Still trying to wade through all this data to send you something to work on....i have 30 datasets (3 datasets for 5 election years with one P and G) and millions of records to get organized so that I can find the 20-30 I will actually need from each for any one set of data to provide to you.

NC being a 'good' data state means that they provide Voter Registration and Voter History by several breakouts, notably by party and race. This is all summarized by precinct so we can use this instead of the PL2000 or PL2010 data. Likewise, they provide all manner of local election results as well. But...the price is everything is in a separate file and I need to get them 'systematized' so that I can run code on them and not do much hand work. This is taking some time to develop and test.

Of course, the timeframe is quite tight which is why I am trying to get it organized.

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192

efax: [202-318-0793](tel:202-318-0793) | email: clark@polidata.org

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: Fwd: FW: NC sample
Attachments: [rbvsg_NC_SD003_SP2010_NC_STATE_SENATE_DISTRICT_3_-_DEM_BLK.csv](#)
[rbvsg_nc_sd003_sp2010_nc_state_senate_district_3_-_dem_blk_chk.pdf](#)
[rbvsg_nc_sd003_sp2010_nc_state_senate_district_3_-_dem_blk_sum.pdf](#)

----- Forwarded message -----
From: **Clark Bensen/POLIDATA** <clark@polidata.org>
Date: Mon, Apr 23, 2012 at 3:02 PM
Subject: FW: NC sample
To: Tom Brunell <tbrunell@gmail.com>

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
email: clark@polidata.org

From: Clark Bensen/POLIDATA [mailto:clark@polidata.org]
Sent: Thursday, May 19, 2011 2:40 PM
To: 'Tom Brunell'
Subject: NC sample

Ok, here's a first cut at some information for RBV:
First: I don't have any standardized information from them about the race/ethnicity from them, just several .xls sheets with various formats.
Until I can get this organized I will just cut/paste it here.

Frankie L. Bordeaux	Male	Black	Not Hispanic or Not
---------------------	------	-------	---------------------------

5/4/2010	Primary	NC State Senate District 3				Latino	Democratic
5/4/2010	Primary	NC Senate (3)	Samuel Clark Jenkins	M	W	NL	Dem
5/4/2010	Primary	NC Senate (3)	Florence Arnold Armstrong	F	B	NL	Dem

Three files are attached:

- a) .csv containing the raw data (see fields below)
- b) Chk.pdf listing records of note
- c) Sum.pdf listing overall stats for the file

The CHK.pdf lists homogeneous precincts first (90%+ Wht or Blk) and then records with either matching problems or records that are excluded (e.g., absentee records).

Some of the matching problems might be fixable, some are due to split precincts. I'll spend more time on those but I wanted to get you something to test out when you can.

File notations: SP for State Primary (all in one file) and DP or RP for Dem Primary or Rep Primary specifically; GE for General Election.

Fields in Export/Extract:

SEE THE ACCOMPANYING 'SUM.PDF' FOR VOTE TOTALS AND CANDIDATE INFORMATION

YEAR Year of Election

ETY Type of Election (SP/GE)

OFLEVEL Level of Office (CY/CD/SD/LD)

CYED County or District Code

PRABB Precinct Identification

VTD Reserved

VNAME Reserved

GOI Group of Interest (race/ethnic group, B/H/I/A)

REGPRM Registration: Total for General Election or for This Primary

REGBLK Registration: Number in the Group of Interest (GOI)

REGWHT Registration: Number not in the GOI

VOTPRM Turnout: Total for General Election or for This Primary
VOTBLK Turnout: Number in the Group of Interest (GOI)
VOTWHT Turnout: Number not in the GOI

NUMCAN Number of candidates

V01 Votes for candidate 1

...

V10 Votes for candidate 10

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
efax: [202-318-0793](tel:202-318-0793) | email: clark@polidata.org

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: Fwd: FW: NC GE2010

Attachments: [rbvsg_nc_ld048_ge2010_nc_house_of_representatives_district_48_ind_chk.pdf](#)
[rbvsg_NC_LD048_GE2010_NC_HOUSE_OF_REPRESENTATIVES_DISTRICT_48_IND.csv](#)
[rbvsg_nc_ld048_ge2010_nc_house_of_representatives_district_48_ind_sum.pdf](#)

From: Clark Bensen/POLIDATA [mailto:clark@polidata.org]
Sent: Monday, May 23, 2011 10:10 AM
To: 'Tom Brunell'
Subject: NC GE2010

N. C. House Dist. #48	Garland E. Pierce	Male	Black	N/L	Democrat	4308
N. C. House Dist. #48	John F. Arry	Male	White	N/L	Republican	1553

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
efax: [202-318-0793](tel:202-318-0793) | email: clark@polidata.org

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject:

Attachments:

April 24, 2012 9:50:05 AM (-04)

From:
To:
Cc:
Bcc:
Subject: NC LD102

Attachments: [rbvsg_nc_ld102_sp2010_nc_house_district_102_-_dem_blk_chk.pdf](#)
[rbvsg_NC_LD102_SP2010_NC_HOUSE_DISTRICT_102_-_DEM_BLK.csv](#)
[rbvsg_nc_ld102_sp2010_nc_house_district_102_-_dem_blk_sum.pdf](#)

April 24, 2012 9:50:05 AM (-04)

2010 Primary	NC State House 102	Becky Carney	F	W	NL	Dem	1,510
2010 Primary	NC State House 102	Ken Davies	M	W	NL	Dem	221
2010 Primary	NC State House 102	Kim Ratliff	F	B	NL	Dem	714

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
efax: 202-318-0793 | email: clark@polidata.org

From:
To:
Cc:
Bcc:
Subject: NC data issues

Attachments: [screen_sp2004_vh_guilford2.pdf](#) [screen_sp2004_vh_guilford1.pdf](#)

April 24, 2012 9:50:05 AM (-04)

Ran a statewide race...found problems that I had not discovered before...

As you can see from the attached screen shots...the input data have problems...

See how REENE county looks 'regular' and GUILFORD doesn't....argh!!!

Alas, this wasn't just in one county...so, no statewide file today.

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efax: 202-318-0793 | email: clark@polidata.org

From:	April 24, 2012 9:50:05 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC LD048 SP2004
Attachments:	rbvsg_nc_ld048_sp2004_nc_state_house_district_48_blk_chk.pdf rbvsg_NC_LD048_SP2004_NC_STATE_HOUSE_DISTRICT_48_IND.csv rbvsg_nc_ld048_sp2004_nc_state_house_district_48_ind_sum.pdf rbvsg_nc_ld048_sp2004_nc_state_house_district_48_ind_chk.pdf rbvsg_NC_LD048_SP2004_NC_STATE_HOUSE_DISTRICT_48_BLK.csv rbvsg_nc_ld048_sp2004_nc_state_house_district_48_blk_sum.pdf

I can't find one either...I reran them both.

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 2192
efax: 202-318-0793 | email: clark@polidata.org

From:
To:
Cc:
Bcc:
Subject: NC SP2004 SOS

April 24, 2012 9:50:05 AM (-04)

Attachments: [rbvsg_nc_cystate_sp2004_secretary_of_state_blk_chk.pdf](#)
[rbvsg_NC_CYSTATE_SP2004_SECRETARY_OF_STATE_BLK.csv](#)
[rbvsg_nc_cystate_sp2004_secretary_of_state_blk_sum.pdf](#)

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efax: 202-318-0793 | email: clark@polidata.org

From:
To:
Cc:
Bcc:
Subject: NC SP2010 USS

April 24, 2012 9:50:05 AM (-04)

Attachments: [rbvsg_nc_cystate_sp2010_us_senate_-_dem_blk_chk.pdf](#) [rbvsg_NC_CYSTATE_SP2010_US_SENATE_-_DEM_BLK.csv](#)
[rbvsg_nc_cystate_sp2010_us_senate_-_dem_blk_sum.pdf](#)

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
efax: 202-318-0793 | email: clark@polidata.org

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject:

April 24, 2012 9:50:25 AM (-04)

Attachments:

From:
To:
Cc:
Bcc:
Subject: NC

April 24, 2012 9:50:25 AM (-04)

Attachments: [rbvsg_nc_cystate_ge2008_president_blk_sum.pdf](#) [rbvsg_NC_CYSTATE_GE2008_PRESIDENT_BLK_doj.csv](#)
[rbvsg_nc_cystate_ge2008_president_blk_chk.pdf](#) [rbvsg_NC_CYSTATE_GE2008_PRESIDENT_BLK_can.csv](#)
[rbvsg_NC_CYSTATE_GE2008_PRESIDENT_BLK.csv](#)

Ok, a couple of refinements =ere...I am trying to include the candidate information =lectronically as well...hence the "can.csv" file which =s really another header record...each candidate name is included in =he place of the votes, e.g., "john smith WD" or =#8220;alice brooks UR" the last two being race/ethnicity and =arty.

For =E2008 I have provided two data files: 1 for all counties and 1 for the =OJ+ counties...the "sum.pdf" is still based upon the =ll Cys data.

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From:
To:
Cc:
Bcc:

April 24, 2012 9:50:25 AM (-04)

Subject: NC SD004

Attachments: [rbvsg_nc_sd004_ge2010_nc_state_senate_district_4_blk_sum.pdf](#)
[rbvsg_NC_SD004_GE2010_NC_STATE_SENATE_DISTRICT_4_BLK.csv](#)
[rbvsg_NC_SD004_GE2010_NC_STATE_SENATE_DISTRICT_4_BLK_can.csv](#)
[rbvsg_nc_sd004_ge2010_nc_state_senate_district_4_blk_chk.pdf](#)

Ok, I'll finally start to send you some stats...perhaps I already did, already lost track...will just send a few at a time...If you did already get them from me, not to worry...I didn't change any of the data...just the labels, etc.

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From: April 24, 2012 9:50:25 AM (-04)
To:
Cc:
Bcc:
Subject: NC SD005

Attachments: [rbvsg_nc_sd005_ge2010_nc_state_senate_district_5_blk_sum.pdf](#)
[rbvsg_NC_SD005_GE2010_NC_STATE_SENATE_DISTRICT_5_BLK.csv](#)
[rbvsg_NC_SD005_GE2010_NC_STATE_SENATE_DISTRICT_5_BLK_can.csv](#)
[rbvsg_nc_sd005_ge2010_nc_state_senate_district_5_blk_chk.pdf](#)

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From:
To:
Cc:
Bcc:
Subject: NC SD020

April 24, 2012 9:50:25 AM (-04)

Attachments: [rbvsg_nc_sd020_ge2010_nc_state_senate_district_20_blk_sum.pdf](#)
[rbvsg_NC_SD020_GE2010_NC_STATE_SENATE_DISTRICT_20_BLK.csv](#)
[rbvsg_NC_SD020_GE2010_NC_STATE_SENATE_DISTRICT_20_BLK_can.csv](#)
[rbvsg_nc_sd020_ge2010_nc_state_senate_district_20_blk_chk.pdf](#)

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efax: 202-318-0793 | email: clark@polidata.org

From:
To:
Cc:
Bcc:
Subject: NC SD024

April 24, 2012 9:50:25 AM (-04)

Attachments: [rbvsg_nc_sd024_ge2004_nc_state_senate_district_24_blk_sum.pdf](#)
[rbvsg_nc_sd024_ge2006_nc_state_senate_district_24_blk_sum.pdf](#)
[rbvsg_nc_sd024_ge2010_nc_state_senate_district_24_blk_sum.pdf](#)
[rbvsg_nc_sd024_ge2010_nc_state_senate_district_24_blk_chk.pdf](#)
[rbvsg_nc_sd024_ge2004_nc_state_senate_district_24_blk_chk.pdf](#)
[rbvsg_nc_sd024_ge2006_nc_state_senate_district_24_blk_chk.pdf](#)
[rbvsg_NC_SD024_GE2010_NC_STATE_SENATE_DISTRICT_24_BLK_can.csv](#)
[rbvsg_NC_SD024_GE2004_NC_STATE_SENATE_DISTRICT_24_BLK.csv](#)
[rbvsg_NC_SD024_GE2004_NC_STATE_SENATE_DISTRICT_24_BLK_can.csv](#)
[rbvsg_NC_SD024_GE2006_NC_STATE_SENATE_DISTRICT_24_BLK.csv](#)
[rbvsg_NC_SD024_GE2006_NC_STATE_SENATE_DISTRICT_24_BLK_can.csv](#)
[rbvsg_NC_SD024_GE2010_NC_STATE_SENATE_DISTRICT_24_BLK.csv](#)

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From: April 24, 2012 9:50:25 AM (-04)
To:
Cc:
Bcc:
Subject: NC SD028

Attachments: [rbvsg_nc_sd028_ge2010_nc_state_senate_district_28_blk_sum.pdf](#)
[rbvsg_NC_SD028_GE2010_NC_STATE_SENATE_DISTRICT_28_BLK.csv](#)
[rbvsg_NC_SD028_GE2010_NC_STATE_SENATE_DISTRICT_28_BLK_can.csv](#)
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From: April 24, 2012 9:50:25 AM (-04)
To:
Cc:
Bcc:
Subject: NC SD040

Attachments: [rbvsg_nc_sd040_ge2010_nc_state_senate_district_40_blk_sum.pdf](#)
[rbvsg_NC_SD040_GE2010_NC_STATE_SENATE_DISTRICT_40_BLK.csv](#)
[rbvsg_NC_SD040_GE2010_NC_STATE_SENATE_DISTRICT_40_BLK_can.csv](#)
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From:	April 24, 2012 9:50:25 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC LD008
Attachments:	rbvsg_nc_ld008_sp2006_nc_state_house_district_008_blk_sum.pdf rbvsg_NC_LD008_SP2004_NC_STATE_HOUSE_DISTRICT_8_BLK.csv rbvsg_NC_LD008_SP2004_NC_STATE_HOUSE_DISTRICT_8_BLK_can.csv rbvsg_nc_ld008_sp2004_nc_state_house_district_8_blk_chk.pdf rbvsg_nc_ld008_sp2004_nc_state_house_district_8_blk_sum.pdf rbvsg_NC_LD008_SP2006_NC_STATE_HOUSE_DISTRICT_008_BLK.csv rbvsg_NC_LD008_SP2006_NC_STATE_HOUSE_DISTRICT_008_BLK_can.csv rbvsg_nc_ld008_sp2006_nc_state_house_district_008_blk_chk.pdf

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From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject:

April 24, 2012 9:50:48 AM (-04)

Attachments:

From:
To:
Cc:
Bcc:
Subject: NC LD107

April 24, 2012 9:50:48 AM (-04)

Attachments: [rbvsg_nc_ld107_ge2010_nc_house_district_107_blk_sum.pdf](#)
[rbvsg_NC_LD107_GE2010_NC_HOUSE_DISTRICT_107_BLK.csv](#)
[rbvsg_NC_LD107_GE2010_NC_HOUSE_DISTRICT_107_BLK_can.csv](#)
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From:
To:
Cc:
Bcc:
Subject: NC LD102

April 24, 2012 9:50:48 AM (-04)

Attachments: [rbvsg_nc_ld102_sp2010_nc_house_district_102_dem_blk_sum.pdf](#)
[rbvsg_NC_LD102_SP2010_NC_HOUSE_DISTRICT_102_DEM_BLK.csv](#)
[rbvsg_NC_LD102_SP2010_NC_HOUSE_DISTRICT_102_DEM_BLK_can.csv](#)
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From:	April 24, 2012 9:50:48 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC State
Attachments:	rbvsg_nc_cystate_ge2008_president_blk_sum.pdf rbvsg_nc_cystate_ge2004_auditor_blk_sum.pdf rbvsg_nc_cystate_ge2004_auditor_blk_chk.pdf rbvsg_nc_cystate_ge2008_president_blk_chk.pdf rbvsg_NC_CYSTATE_GE2004_AUDITOR_BLK_doj.csv rbvsg_NC_CYSTATE_GE2008_PRESIDENT_BLK.csv rbvsg_NC_CYSTATE_GE2008_PRESIDENT_BLK_can.csv rbvsg_NC_CYSTATE_GE2008_PRESIDENT_BLK_doj.csv rbvsg_NC_CYSTATE_GE2004_AUDITOR_BLK.csv rbvsg_NC_CYSTATE_GE2004_AUDITOR_BLK_can.csv

I may have sent President already...

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From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject:

April 24, 2012 9:51:13 AM (-04)

Attachments:

From:
To:
Cc:
Bcc:
Subject: NC SD 3

April 24, 2012 9:51:13 AM (-04)

Attachments: [rbvsg_nc_sd003_sp2010_nc_state_senate_district_3_dem_blk_sum.pdf](#)
[rbvsg_nc_sd003_ge2010_nc_state_senate_district_3_blk_sum.pdf](#)
[rbvsg_nc_sd003_sp2008_nc_state_senate_district_03_dem_blk_sum.pdf](#)
[rbvsg_nc_sd003_sp2008_presidential_preference_dem_blk_sum.pdf](#)
[rbvsg_nc_sd003_sp2010_nc_state_senate_district_3_dem_blk_chk.pdf](#)
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[rbvsg_NC_SD003_GE2010_NC_STATE_SENATE_DISTRICT_3_BLK.csv](#)
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[rbvsg_NC_SD003_SP2010_NC_STATE_SENATE_DISTRICT_3_DEM_BLK.csv](#)

Two primary elections, and one general, for the state senate plus the Obama primary.

The SP2008 is an example of what I meant by the top two for each race...big difference between the two B candidates in this election.

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From:
To:
Cc:
Bcc:
Subject: NC SD 32

April 24, 2012 9:51:13 AM (-04)

Attachments: [rbvsg_nc_sd032cyforsy_sp2008_presidential_preference_dem_blk_sum.pdf](#)
[rbvsg_nc_sd032_ge2010_sheriff_blk_sum.pdf](#) [rbvsg_nc_sd032_sp2004_nc_state_senate_district_32_blk_sum.pdf](#)
[rbvsg_nc_sd032_sp2010_nc_state_senate_district_32_dem_blk_sum.pdf](#)
[rbvsg_nc_sd032_ge2010_sheriff_blk_chk.pdf](#) [rbvsg_nc_sd032_sp2004_nc_state_senate_district_32_blk_chk.pdf](#)
[rbvsg_nc_sd032_sp2010_nc_state_senate_district_32_dem_blk_chk.pdf](#)
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[rbvsg_NC_sd032CYFORSY_SP2008_PRESIDENTIAL_PREFERENCE_DEM_BLK.csv](#)
[rbvsg_NC_CYFORSY_GE2008_PRESIDENT_BLK.csv](#) [rbvsg_NC_CYFORSY_GE2008_PRESIDENT_BLK_can.csv](#)
[rbvsg_NC_SD032_GE2010_SHERIFF_BLK.csv](#) [rbvsg_NC_SD032_GE2010_SHERIFF_BLK_can.csv](#)
[rbvsg_NC_SD032_SP2004_NC_STATE_SENATE_DISTRICT_32_BLK.csv](#)
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[rbvsg_nc_cyforsy_ge2008_president_blk_sum.pdf](#) [rbvsg_NC_CYFORSY_GE2008_PRESIDENT_BLK.csv](#)
[rbvsg_NC_CYFORSY_GE2008_PRESIDENT_BLK_can.csv](#) [rbvsg_nc_cyforsy_ge2008_president_blk_chk.pdf](#)

This needs to be reviewed before tomorrow so that they can work on some plan review.

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From:
To:
Cc:
Bcc:
Subject: NC ROBES

April 24, 2012 9:51:13 AM (-04)

Attachments: [rbvsg_nc_cyrobres_sp2008_presidential_preference_dem_blk_chk.pdf](#)
[rbvsg_NC_CYROBES_SP2008_PRESIDENTIAL_PREFERENCE_DEM_BLK_can.csv](#)
[rbvsg_NC_CYROBES_SP2008_PRESIDENTIAL_PREFERENCE_DEM_BLK.csv](#)
[rbvsg_nc_cyrobres_sp2008_presidential_preference_dem_blk_sum.pdf](#)

So that you might have something to review...

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From: April 24, 2012 9:51:13 AM (-04)
To:
Cc:
Bcc:
Subject: NC Obama Primary

Attachments: [rbvsg_NC_CYSTATE_SP2008_PRESIDENTIAL_PREFERENCE_DEM_BLK_can.csv](#)
[rbvsg_nc_cystate_sp2008_presidential_preference_dem_blk_sum.pdf](#)
[rbvsg_nc_cystate_sp2008_presidential_preference_dem_blk_chk.pdf](#)
[rbvsg_nc_cystate_sp2008_presidential_preference_dem_blk.csv](#)

Ok, I'll have to check this out in the morning again but if I change anything it will be by county so you don't need to rerun everything.
Again...ignore the non-DOJ counties in here for now....they aren't entirely wrong but I need to review them.

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From: April 24, 2012 9:51:13 AM (-04)
To:
Cc:
Bcc:
Subject: NC SD 13

Attachments: [rbvsg_NC_SD013_SP2008_NC_STATE_SENATE_DISTRICT_13_DEM_BLK_can.csv](#)
[rbvsg_NC_SD013_SP2008_NC_STATE_SENATE_DISTRICT_13_DEM_BLK.csv](#)

[rbvsg_nc_sd013_sp2008_nc_state_senate_district_13_dem_blk_sum.pdf](#)
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From:	April 24, 2012 9:51:13 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC BUNCO
Attachments:	rbvsg_nc_cybunco_sp2008_presidential_preference_dem_blk_chk.pdf rbvsg_NC_CYBUNCO_SP2008_PRESIDENTIAL_PREFERENCE_DEM_BLK_can.csv rbvsg_NC_CYBUNCO_SP2008_PRESIDENTIAL_PREFERENCE_DEM_BLK.csv rbvsg_nc_cybunco_sp2008_presidential_preference_dem_blk_sum.pdf

I'm trying to do the =bama Primary for the non-DOJ+ counties in order to cover the top 20 =ounties (most populous) in the state...which is about another 10 to =o.

Of course, some of these may =ot have much of a concentration of AA voters.

BUNCO =as a problem so these would need to replace what I sent yesterday in =he state file.

I will resend other counties if =here are problems as well.

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Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192

From: April 24, 2012 9:51:13 AM (-04)
To:
Cc:
Bcc:
Subject: NC JOHNS

Attachments: [rbvsg_nc_cyjohns_sp2008_presidential_preference_dem_blk_chk.pdf](#)
[rbvsg_NC_CYJOHNS_SP2008_PREIDENTIAL_PREFERENCE_DEM_BLK_can.csv](#)
[rbvsg_NC_CYJOHNS_SP2008_PREIDENTIAL_PREFERENCE_DEM_BLK.csv](#)
[rbvsg_nc_cyjohns_sp2008_presidential_preference_dem_blk_sum.pdf](#)

This had some matching issues =hat I fixed so, like BUNCO, so you will need to replace this county as =ell.

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POLIDATA =reg; at Lulu | www.lulu.com/polidata

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Vermont Office: 1303 Hayward Road | P.O. Box 530 | =orinth, VT 05039
Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From: April 24, 2012 9:51:13 AM (-04)
To:
Cc:
Bcc:
Subject: NC COLUM

Attachments: [rbvsg_NC_CYCOLUM_SP2008_PREIDENTIAL_PREFERENCE_DEM_BLK_can.csv](#)
[rbvsg_NC_CYCOLUM_SP2008_PREIDENTIAL_PREFERENCE_DEM_BLK.csv](#)
[rbvsg_nc_cycolum_sp2008_presidential_preference_dem_blk_sum.pdf](#)
[rbvsg_nc_cycolum_sp2008_presidential_preference_dem_blk_chk.pdf](#)

More of the same...replace =n the state file.

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Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From: April 24, 2012 9:51:13 AM (-04)
To:
Cc:
Bcc:
Subject: NC LD 102

Attachments: [rbvsg_nc_ld102_sp2010_nc_house_district_102_dem_blk_chk.pdf](#)
[rbvsg_NC_LD102_SP2010_NC_HOUSE_DISTRICT_102_DEM_BLK_can.csv](#)
[rbvsg_NC_LD102_SP2010_NC_HOUSE_DISTRICT_102_DEM_BLK.csv](#)
[rbvsg_nc_ld102_sp2010_nc_house_district_102_dem_blk_sum.pdf](#)

My bad...I entered the =rong parameter for this race...I am supposed to pass the party =rimary (DEM or REP?) but passed the default for the general =XXX)...thus the universe was not limited to Dems =nly.

I =hecked my notes and this was, fortunately, the only primary for which I =essed this up.

It is a key parameter because, =or registrants it is the party in which they are registered, and, for =oters, it is the party in which they voted that determine the =ggregations.

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Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From: April 24, 2012 9:51:13 AM (-04)
To:
Cc:
Bcc:
Subject: NC 08P DEM PRM

Attachments: [rbvsg_nc_cystate_sp2008_presidential_preference_dem_blk_chk.pdf](#)
[rbvsg_NC_CYSTATE_SP2008_PRESIDENTIAL_PREFERENCE_DEM_BLK_can.csv](#)

[rbvsg NC CYSTATE SP2008 PRESIDENTIAL PREFERENCE DEM BLK.csv](#)
[rbvsg nc cystate sp2008 presidential preference dem blk sum.pdf](#)

Ok, the only county I didn't have of the 11 was SAMPSO so I reran that and there were no matching problems...so here is the entire state, select out the ones you need.

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efax: 202-318-0793 | email: clark@polidata.org

From:	April 24, 2012 9:51:13 AM (-04)
To:	
Cc:	
Bcc:	
Subject:	richardson
Attachments:	Pages from tca22 text p999 kf10a.pdf

This gives the name of the books, etc.

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efax: 202-318-0793 | email: clark@polidata.org

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject:

April 24, 2012 9:51:35 AM (-04)

Attachments:

From:
To:
Cc:
Bcc:
Subject: NC GUILF

April 24, 2012 9:51:35 AM (-04)

Attachments: [rbvsg_nc_cyguilf_ge2008_high_point_city_council_at_large_blk_chk.pdf](#)
[rbvsg_nc_cyguilf_ge2010_city_of_high_point_city_co_blk_sum.pdf](#)
[rbvsg_NC_CYGUILF_GE2010_CITY_OF_HIGH_POINT_CITY_COUNCIL_AT_LARGE_BLK_can.csv](#)
[rbvsg_NC_CYGUILF_GE2010_CITY_OF_HIGH_POINT_CITY_COUNCIL_AT_LARGE_BLK.csv](#)
[rbvsg_nc_cyguilf_ge2010_city_of_high_point_city_co_blk_chk.pdf](#)
[rbvsg_NC_CYGUILF_GE2008_HIGH_POINT_CITY_COUNCIL_AT_LARGE_BLK_can.csv](#)
[rbvsg_NC_CYGUILF_GE2008_HIGH_POINT_CITY_COUNCIL_AT_LARGE_BLK.csv](#)
[rbvsg_nc_cyguilf_ge2008_high_point_city_council_at_large_blk_sum.pdf](#)

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192
efax: 202-318-0793 | email: clark@polidata.org

From:
To:
Cc:
Bcc:
Subject: NC DURHA

April 24, 2012 9:51:35 AM (-04)

Attachments: [rbvsg_nc_cydurha_sp2010_sheriff_dem_blk_chk.pdf](#)
[rbvsg_NC_CYDURHA_SP2010_SHERIFF_DEM_BLK_can.csv](#)
[rbvsg_NC_CYDURHA_SP2010_SHERIFF_DEM_BLK.csv](#) [rbvsg_nc_cydurha_sp2010_sheriff_dem_blk_sum.pdf](#)

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efax: 202-318-0793 | email: clark@polidata.org

From: April 24, 2012 9:51:35 AM (-04)
To:
Cc:
Bcc:
Subject: NC FORSY
Attachments: [rbvsg_nc_cyforsy_ge2010_sheriff_blk_chk.pdf](#) [rbvsg_NC_CYFORSY_GE2010_SHERIFF_BLK_can.csv](#)
[rbvsg_NC_CYFORSY_GE2010_SHERIFF_BLK.csv](#) [rbvsg_nc_cyforsy_ge2010_sheriff_blk_sum.pdf](#)

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From: April 24, 2012 9:51:35 AM (-04)
To:
Cc:

Bcc:
Subject: NC MECKL

Attachments: [rbvsg_NC_CYMECKL_GE2010_DISTRICT_ATTORNEY_DISTRICT_26_BLK.csv](#)
[rbvsg_nc_cymeckl_ge2010_district_attorney_district_26_blk_sum.pdf](#)
[rbvsg_nc_cymeckl_ge2010_district_attorney_district_26_blk_chk.pdf](#)
[rbvsg_NC_CYMECKL_GE2010_DISTRICT_ATTORNEY_DISTRICT_26_BLK_can.csv](#)

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From: April 24, 2012 9:51:35 AM (-04)
To:
Cc:
Bcc:
Subject: NC WAKE_

Attachments: [rbvsg_NC_CYWAKE_GE2010_BOARD_OF_COMMISSIONERS_DISTRICT_2_BLK_can.csv](#)
[rbvsg_NC_CYWAKE_GE2010_BOARD_OF_COMMISSIONERS_DISTRICT_2_BLK.csv](#)
[rbvsg_nc_cywake_ge2010_board_of_commissioners_dis2_blk_sum.pdf](#)
[rbvsg_nc_cywake_ge2010_board_of_commissioners_dis2_blk_chk.pdf](#)
[rbvsg_NC_CYWAKE_GE2010_BOARD_OF_COMMISSIONERS_DISTRICT_1_BLK_can.csv](#)
[rbvsg_NC_CYWAKE_GE2010_BOARD_OF_COMMISSIONERS_DISTRICT_1_BLK.csv](#)
[rbvsg_nc_cywake_ge2010_board_of_commissioners_dis1_blk_sum.pdf](#)
[rbvsg_nc_cywake_ge2010_board_of_commissioners_dis1_blk_chk.pdf](#)

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From: April 24, 2012 9:51:35 AM (-04)
To:
Cc:
Bcc:
Subject: NC LD058

Attachments: [rbvsg_nc_ld058_ge2010_nc_house_district_58_blk_chk.pdf](#)
[rbvsg_NC_LD058_GE2010_NC_HOUSE_DISTRICT_58_BLK_can.csv](#)
[rbvsg_NC_LD058_GE2010_NC_HOUSE_DISTRICT_58_BLK.csv](#)
[rbvsg_nc_ld058_ge2010_nc_house_district_58_blk_sum.pdf](#)

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 2192
efax: 202-318-0793 | email: clark@polidata.org

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject:

Attachments:

April 24, 2012 2:31:43 PM (-04)

From:
To:
Cc:
Bcc:
Subject: RE: NC Senate primary 2010

Attachments:

April 24, 2012 2:31:43 PM (-04)

I meant the top for each race.

From: Tom Brunell [mailto:tbrunell@gmail.com]
Sent: Tuesday, June 7, 2011 1:33 PM
To: Clark Bensen
Subject: NC Senate primary 2010

The top two vote getters were both white. One or both of them did well with black voters. We can chat about this one some more. Overall voting is polarized, the problem is at some of the county level analyses, there are fewer significant coefficients.

From:
To:
Cc:
Bcc:
Subject: RE: check senate primary

Attachments:

April 24, 2012 2:31:43 PM (-04)

Clearly want primary elections...for several reasons...I think you need to review both from a combined perspective (all W and all B candidates) as well as for the top vote-getters alone i.e., candidate of choice perspective.

From: Tom Brunell [mailto:tbrunell@gmail.com]
Sent: Tuesday, June 7, 2011 12:19 PM
To: Clark Bensen

Subject: check =enate primary

what do =ou think about that one? there are six candidates and I just used =wo groups - wht and blk candidates. Voting is polarized, not a =uch as in general, but still I think we like to have primary elections =n there as well right?

From: April 24, 2012 2:31:43 PM (-04)
To:
Cc:
Bcc:
Subject: NC
Attachments:

I'm working through on =he Obama Primary numbers, county-by-county, before I send you a whole =ile. I still have some difficult counties, notably DURHA and =ORSY...with respect to the matching issue. It works pretty well for =he smaller counties...but I have some other projects to work on for =he rest of the morning...so nothing right =way...

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efax: 202-318-0793 | email: clark@polidata.org =o:p>

From: April 24, 2012 2:31:43 PM (-04)
To:
Cc:
Bcc:
Subject: NC
Attachments:

Give me a call at 703-690-4066 =r send me your number...if we can't talk in the next 15 =inutes or so let's talk tomorrow AM.

I still =ave some data issues to address anyway.

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From:	April 24, 2012 2:31:43 PM (-04)
To:	
Cc:	
Bcc:	
Subject:	NC
Attachments:	

Camden County only has 5,000 =eople and 3 precincts.

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Virginia Office: 3112 Cave Court | Lake Ridge, VA =2192
efax: 202-318-0793 | email: clark@polidata.org =o:p>

From: Tom Brunell
To: Farr, Thomas A.
Cc:
Bcc:
Subject: Re:

April 24, 2012 3:31:45 PM (-04)

Attachments:

On Wed, May 18, 2011 at 7:40 AM, Farr, Thomas A. <thomas.farr@ogletreedeakins.com> wrote:
Clark

I am out tomorrow and Friday so if it is possible to talk some time today that would be awesome.

The leadership wants to push up the hearing by a week.

Tom

Thomas A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.
4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: [919-789-3174](tel:919-789-3174) | Fax: [919-783-9412](tel:919-783-9412)
thomas.farr@ogletreedeakins.com | www.ogletreedeakins.com

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-----Original Message-----

From: Tom Brunell [mailto:tbrunell@gmail.com]
Sent: Tuesday, May 17, 2011 8:22 PM
To: Farr, Thomas A.
Cc: Clark Bensen/POLIDATA
Subject: Re:

Would this be in person? Or phone?

On Tuesday, May 17, 2011, Farr, Thomas A.
<thomas.farr@ogletreedeakins.com> wrote:

>
>

>
>
>
>
>
> Fellows
>
> The two Nc
> redistricting chairs have scheduled a joint committee meeting for
> taking evidence on June 8, 2011.

>
> We need to discuss.
> Are you available in the morning?

>
> Tom

>
>
> Thomas
> A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.
> 4208 Six
> Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: [919-789-3174](tel:919-789-3174) | Fax:
> [919-783-9412](tel:919-783-9412)
> thomas.farr@ogletreedeakins.com
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>
>
>
>
>

yes. I will call you and tom at 3 pm edt

Thomas A. Farr | Ogletree, Deakins, Nash, Smoak & Stewart, P.C.

4208 Six Forks Road, Suite 1100 | Raleigh, NC 27609 | Telephone: [919-789-3174](tel:919-789-3174) | Fax: [919-783-9412](tel:919-783-9412)

thomas.farr@ogletreedeakins.com | www.ogletreedeakins.com

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From: Clark Bensen/POLIDATA [mailto:clark@polidata.org]

Sent: Thursday, June 09, 2011 12:44 PM

To: Farr, Thomas A.

Subject: NC Status

Tom,

Just checking in...Tom Brunell is working on his report and I'm still wading through some stuff to fill in gaps...did you want to schedule a call for 3pm or so?

clark

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Virginia Office: 3112 Cave Court | Lake Ridge, VA 22192

efax: [202-318-0793](tel:202-318-0793) | email: clark@polidata.org

EXHIBIT J

Curriculum Vitae

CLARK HAMILTON BENSEN, B.A., J.D.

1303 Hayward Rd, P.O. Box 530
Corinth, Vermont 05039
(703) 690-4066 phone
(202) 318-0793 efax
website: www.polidata.org
email: clark@polidata.org

PRESENT POSITION:

POLIDATA ® POLITICAL DATA ANALYSIS: Consulting data analyst and attorney specializing in politically-related matters. POLIDATA ® DEMOGRAPHIC AND POLITICAL GUIDES AND ATLASES: publisher of reference tools for demographic and political research.

EDUCATION:

Graduate: VERMONT LAW SCHOOL, South Royalton, Vermont 05068 (September 1975-January 1978). Transferred as incoming second year student with full credits. Elective concentration: Environmental, Land Use, Administrative and Governmental Law, Antitrust and Civil Procedure. Legislative intern. A full leave of absence for service in the Vermont General Assembly resulted in a graduation in June 1978. Degree: Juris Doctor, February 1978. WESTERN NEW ENGLAND COLLEGE, SCHOOL OF LAW, Springfield, Massachusetts 01119. Academic rank after first year: 17/205 (August 1974-May 1975)

Undergraduate: UNIVERSITY OF VERMONT, COLLEGE OF ARTS AND SCIENCES, Burlington, Vermont 05405 (September 1970-May 1974). Political science major, economics and computer applications minor. Legislative intern. Degree: Bachelor of Arts, May 1974.

LEGISLATIVE EXPERIENCE:

State Representative. VERMONT HOUSE OF REPRESENTATIVES, Sessions of 1977-1978, elected 1976 from district Chittenden 5-1. Member House Committee on Natural Resources.

Legislative Intern. VERMONT HOUSE OF REPRESENTATIVES, Adjourned Session, 1976. Attached to Rep. Douglas I. Tudhope, House Committee on Appropriations.

Legislative Intern. VERMONT HOUSE OF REPRESENTATIVES, Adjourned Session, 1974. Attached to House Committee on Commerce, Paul R. Graves, Esq., Chairman.

LEGAL EXPERIENCE:

Adjunct Counsel: part of the litigation team for several cases relating to redistricting and census issues either following the 2000 or the 1990 redistricting cycles or in preparation for the cycle to follow the 2010 census. (See details *infra*.)

Adjunct Assistant Counsel, Office of the Chief Counsel, REPUBLICAN NATIONAL COMMITTEE, 1986 to 1989.

Staff Counsel, Committee on Contests/Committee on Credentials, REPUBLICAN NATIONAL CONVENTION, 1988, New Orleans, LA.

Admitted to the practice of law before the SUPREME COURT OF THE UNITED STATES, October 1985.

Admitted to the practice of law before the SUPREME COURT OF THE STATE OF VERMONT, October 1979. Inactive from 1997-2005.

Law Clerk, Cleveland, Unsworth, Bennett and Bailey, Ltd., Shelburne, Vermont 05482, 1978.

Law Clerk, State's Attorney, Addison County, Middlebury, Vermont 05753, 1976.

POLITICAL EXPERIENCE:

REPUBLICAN STATE COMMITTEE. At-large member of the Executive Committee of the State Committee, 1979-81. At-large member of the State Committee from Chittenden County, 1977-81. Member of the Legislative Campaign Committee, 1978 and 1980.

CHITTENDEN COUNTY REPUBLICAN COMMITTEE. Member from South Burlington City, 1975-81. Member of the Executive Committee, 1979-81.

SOUTH BURLINGTON REPUBLICAN CITY COMMITTEE. Chairman, 1979-81. Member, 1972-date.

GEORGE BUSH FOR PRESIDENT, Executive Director of the Vermont Campaign for the March 4, 1980 Presidential Preference Primary.

Active in various campaigns for statewide office in various capacities: SMITH FOR CONGRESS(1988), SMITH FOR GOVERNOR(1986), EASTON FOR GOVERNOR(1984), SMITH FOR LT.GOVERNOR(1982), SNELLING FOR GOVERNOR(1978,1980), EASTON FOR ATTORNEY GENERAL(1980), DOUGLAS FOR SECRETARY OF STATE(1980), PETER SMITH FOR LT. GOVERNOR(1978), TUDHOPE FOR LT. GOVERNOR(1976), HACKETT FOR GOVERNOR(1972), DAVIS FOR GOVERNOR(1968,1970). Most direct interaction with campaigns since 1988 has been as a consultant on smaller projects or as an unofficial advisor on an infrequent basis, including some in Vermont, DOUGLAS FOR SENATE (1992); JEFFORDS FOR SENATE (1994), SWEETSER FOR CONGRESS (1996).

Twice Republican Nominee for the VERMONT HOUSE OF REPRESENTATIVES, Chittenden District 5-1, 1976 and 1978.

Member, VERMONT HOUSE OF REPRESENTATIVES, Chittenden 5-1, 1977-78.

PROFESSIONAL EXPERIENCE:

POLIDATA ® POLITICAL DATA ANALYSIS, Consulting Data Analyst and Attorney, since 1989, and POLIDATA ® DEMOGRAPHIC AND POLITICAL GUIDES AND ATLASES, since 1995. POLIDATA is one company with two divisions. I divide my time between the two operations on a varying basis.

POLIDATA: POLITICAL DATA ANALYSIS: (1989 to date).

- o Redistricting Support: A considerable effort was made on behalf of redistricting stakeholders in their preparation and participation in the redistricting cycle following the 2000 Census. (See details *infra*.)

- o Redistricting Litigation Support, Precinct Development Project: A major client from October 1989 through 1991 was the Metromail Corporation, which had a contract to develop a nationwide precinct level election database. This project included all partisan general elections from 1984 to 1990 for the nearly 200,000 reporting units (e.g., precincts) in the 50 states and the District of Columbia. My assignment here was to design the structure of the databases and give final approval of each dataset so that the final product is a good foundation from which any litigant in the 1990 redistricting process would be able to create an integrated

database and be able to use it in litigation without much additional development work.

o Census Adjustment Review: During the 1990 census process, several clients retained me to review the various political aspects of any adjustment to the 1990 federal census. These analyses have focused on the pragmatic political aspects of the process. The results of these analyses have been used by clients and other interested parties as material for testimony before Congress and state legislative bodies as well as for press distribution.

o Election Data Analysis: Several projects have been undertaken over the years to compile the results of the Presidential Elections by Congressional Districts. Either at the RNC or independently, POLIDATA has taken the lead on this project since the 1984 elections, several times with CONGRESSIONAL QUARTERLY and/or NATIONAL JOURNAL. This project involves coordination with hundreds of local election officials and takes six months to complete due to the complex and multi-jurisdictional nature of many Congressional Districts. Clients, and/or publications using these, and related results include: POLITICS IN AMERICA and/or THE ALMANAC OF AMERICAN POLITICS, in CONGRESSIONAL DISTRICTS IN THE 1990s, and 2000s, the COOK POLITICAL REPORT, separate analytical volumes by POLIDATA and several national media organizations.

o Redistricting Consulting: Several clients have retained Polidata for the provision of generalized consulting with respect to the legal, data, and technical aspects of the redistricting cycle, including census issues.

o Campaign Finance Analysis: Several projects have revolved around campaign finance data, federal and state, including normal in-cycle review of spending patterns to comprehensive "data-mining" of the extensive campaign disclosure database maintained by the Federal Election Commission.

o Campaign Finance Litigation: worked with the legal team to prepare data analysis in the *Landell v. Sorrell* (D. VT, 1999) case challenging certain aspects of the Vermont campaign finance law; testified as an expert witness on the results of this analysis. This case was appealed to the U.S. Supreme Court; argument was heard February 28, 2005. The opinion by Justice Breyer made specific mention of the expert report and testimony offered at the trial as being probative. (Decided as *Randall v. Sorrell*, No. 04-1528, June 26, 2006.)

- o Demographic and Political Research: Several projects involve the analysis of these data for a variety of purposes, including campaign targeting and overlay of information to voter lists for campaign use in direct mail or other voter contact.

POLIDATA: DEMOGRAPHIC AND POLITICAL GUIDES AND ATLASES: (1995 to date). This is a project to compile information relating to the art of politics and assemble it in a format that meets the needs of demographic and political researchers. The market is primarily the public, academic or research library or participants in state and national politics, both practitioners and media. Volumes are produced for both the state and national market in several standing series. (See details *infra*.)

COMPUTER SERVICES DIVISION, REPUBLICAN NATIONAL COMMITTEE: (1993 to 1995). I returned to the RNC for the 1994 election cycle. My position was as the Director of this Division, a senior staff position. My staff numbered between 15 and 20 persons. The responsibilities of the Division included: operation of a in-house computer network for approximately 250 workstations and an off-site network with all 50 states; development of software for the entire RNC staff; development and processing of voter lists for all 50 states; development of precinct-level election datasets for all 50 states; maintenance of all in-house lists aside from donors; substantial direct assistance to the Political/Campaign Operations Division; coordination of special projects for every Division of the RNC.

POLITICAL ANALYSIS, REPUBLICAN NATIONAL COMMITTEE: (1981 to 1989). As the first director of this department, started in 1983, the role here was to undertake the collection, compilation, systematization and analysis of politically related data. With a combination of technical, analytical and legal skills, this project resulted in a complex data system which allowed the organized study of political, demographic and economic data.

- o Publications and analysis: The primary result of the data system was the biennial publications, *The Republican Almanac*, three editions of which were my responsibility, and the *Election Summary*. The *Almanac* profiles each state from a political/election perspective and the *Election Summary* reviews election results for all states from a national perspective. Other reports which were produced involve these political data and were produced for a clientele ranging from the Republican state committees to a more limited group of political activists in the Washington area, notably White House sections, presidential campaigns and the major Republican national committees.

- o Legal activities: As the analysis of data plays a role in several legal activities of participants in national politics, litigation support analyses have been performed

on the following: Congressional reapportionment and legislative redistricting (See details *infra.*), matters relating to the rules of the party and the convention, assistance to the Contests and Credentials Committee for the 1988 Convention, and several ad hoc special analyses relating to miscellaneous proposals before the national committee.

- o Public Speaking: Though not as often as with my earlier activities as a politician, opportunities were provided to speak before several groups. These talks included instruction in targeting and computer application in political environments, the role of the RNC and the parties in politics in America, and technical/legal discussions relating to reapportionment and redistricting. This also included being a surrogate for BUSH/QUAYLE '88 in a debate.

- o Management: Throughout these eight years at the Republican National Committee, project and personnel management were part of my positional responsibilities, ranging from the normal departmental staff of about ten to overseeing ad hoc projects involving several dozen personnel, to a role as Deputy Director for the Computer Services Division. These positions resulted in senior staff status starting in 1986.

REAPPORTIONMENT, REDISTRICTING AND RELATED PROJECTS: (1980 to date).

- o VERMONT, LEGISLATIVE APPORTIONMENT BOARD: Served as consultant to the Board during 1981. This assignment resulted in the preparation and analysis of numerous potential redistricting plans and proposals for both the Vermont Senate and the Vermont House of Representatives, preparing them for submission to each legislative body.

- o VERMONT, HOUSE OF REPRESENTATIVES: Due to the structure of the reapportionment/redistricting process in Vermont, I was able to also serve the Government Operations Committee as consultant to prepare and review several proposals for the House.

- o National, Data Analysis: Since 1981, involvement in redistricting has revolved around the perspective of the REPUBLICAN NATIONAL COMMITTEE. This included frequent analysis of the 1990 reapportionment of the U.S. House through the use of population estimates and the monitoring and analysis of congressional proposals to adjust the 1990 Census after the fact.

o National, Litigation Support: Activities in this regard relate to litigation support for redistricting cases which were on appeal to the U.S. Supreme Court or federal appellate courts. The principal cases here were the landmark case of *DAVIS v. BANDEMER*, a 1986 Supreme Court case which decided that the question of political gerrymandering was justiciable, and *BADHAM v. EU*, a case which was on appeal to the Supreme Court, relating to Congressional gerrymandering in California. Involvement in this case resulted in the status of an assistant counsel on matters submitted to the U.S. Supreme Court.

o National, Legal Preparation: Activity in this area also includes assistance in the preparation of a redistricting legal manual.

o Redistricting Clients: during the 1990 redistricting cycle I worked with several entities involved in the process, mostly Republican or non-partisan groups, nationally and in the following states: Wyoming, Illinois, Ohio, New York, and Florida. Cases in which I participated included at least the following: Wyoming: *Gorin v. Karpan*, 788 F. Supp. 1199 (D. Wyo. 1992); Illinois: *Legislative Redistricting Commission v. LaPaille*, 786 F. Supp. 704 (N.D. Ill. 1992), 792 F. Supp. 1110 (N.D. Ill. 1992), *aff'd* 506 U.S. 948 (1992); Ohio: *Quilter v. Voinovich*, this case had many different paths, including several trips to the Supreme Court, *see*. 503 U.S. 979 (1993), 507 U.S. 146 (1993) and 116 S.Ct. 2542 (1996); New York: *FAIR v. Weprin*, 796 F. Supp. 662 (N.D., NY 1992), *aff'd* 506 U.S. 1017 (1992); Florida: *Johnson v. DeGrandy*, 114 S.Ct. 2647 (1994). Project assignments included several different levels of production, from strict database development, preparation of material for expert witnesses, witness testimony as to database development, working with the litigation team, being a part of the litigation team. I co-authored a brief to the U.S. Supreme Court in the *FAIR v. Weprin* case.

o Census Litigation: in preparation for the current 2001-2002 redistricting cycle following the 2000 census, I have worked on several fronts, including work on the consolidated cases of *Glavin v. Clinton* and *Department of Commerce v. U.S. House of Representatives* (January 26, 1999), as well as work for the HOUSE SUBCOMMITTEE ON THE CENSUS and the CENSUS MONITORING BOARD, CONGRESSIONAL MEMBERS. Project assignments included several different levels of production, from strict database development, preparation of material for expert witnesses, witness testimony as to database development, working with the litigation team, being a part of the litigation team; co-authored a brief to the U.S. Supreme Court in the *U.S. Department of Commerce v. U.S. House of Representatives* case.

o Redistricting Litigation, (2000 census cycle cases in which reports or testimony were prepared or offered for submission): VIRGINIA LEGISLATIVE, (*West v. Gilmore*, August 2001): prepared for testimony relating to the data aspect of the partisan gerrymandering claim; the claim was dropped during the trial and testimony was not offered. TEXAS CONGRESSIONAL, (*Balderas vs. Texas*, October 2001): testified as an expert witness as to partisan fairness in the federal court action. TEXAS LEGISLATIVE, (November 2001): a similar fairness report was submitted for the proposed legislative lines but was rejected for timeliness. NEW MEXICO CONGRESSIONAL, (*Jepsen vs. Vigil*, December 2001): testified as an expert witness as to a Least Changes plan in the state court action; this was the congressional plan adopted by the Court. MARYLAND LEGISLATIVE, (*In the Matter of Legislative Redistricting*, May 2002): testified on behalf of Michael Steele, Chairman of Maryland Republican Party at the Special Master hearing; a new plan was ordered by the state Court of Appeals. OKLAHOMA CONGRESSIONAL, (*Alexander v. Taylor*, May 2002): testified as an expert witness as to partisan fairness in the state court action; the fairness analysis was cited by the Court. OHIO LEGISLATIVE, (*In re Legislative Apportionment Board*, October 2002): testified as an expert witness as to the suitability of data for racial bloc voting analysis. GEORGIA LEGISLATIVE AND CONGRESSIONAL, (*Georgia v. Ashcroft*, 2002, and *Larios v. Cox*, 2004): testified as expert witness as to population deviation in *Larios*. [Case styles may be working titles only.]

o Election Contests: actively worked with several election contest teams since 1980, including the 1980 Vermont U.S. Senate Recount, 1981 New Jersey Gubernatorial Recount, the 1982 Illinois Gubernatorial Recount, and the 2004 Washington Gubernatorial Recount.

o Election-related litigation: Worked as a consultant to the litigation team in the Indiana voter identification litigation of *Indiana Democratic Party v. Rokita*, S.D., Ind., 2006. Submitted an expert report. Worked as an adjunct counsel to the Village's litigation team in the *Department of Justice v. The Village of Port Chester*, S.D., N.Y., 2007. Also prepared an expert report during the remedy stage in 2008; report was not admitted due to previous role as legal counsel.

o Redistricting Consulting (2000 census cycle): Redistricting projects for this cycle include several types of entities in at least the following states: Vermont, New Hampshire, Connecticut, New York, Pennsylvania, Ohio, Illinois, Wisconsin, Maryland, Virginia, South Carolina, Georgia, Florida, Tennessee, Oklahoma, Texas, New Mexico, Colorado, Nevada and California.

- o Census Issues: Commented on several topics relating to the federal census and reapportionment and redistricting at numerous meetings over the past two decades, including panels at the National Conference of State Legislatures (NCSL) testimony before Congressional panels and comments as a speaker at other conferences. Worked as a consultant to the U.S. Census Monitoring Board, Congressional Members, periodically from 1995-2000.

- o Census Decennial Advisory Committee: Named to this federal panel by the Secretary of Commerce, August 2005. This panel of 20 organizations advises the Secretary and the Census Director on issues relating to the decennial census, including how the census affects the apportionment process and the districting phase thereof.

- o Election Assistance Commission: Part of a team that worked with the U.S. Election Assistance Commission to summarize the results of a nationwide survey of election-related information with respect to the 2006 General Elections. Status was as a subcontractor and the role was largely relating to the data conversion and/or preparation and formatting for reports. A follow-up contract was also involved for the preparation for the 2008 survey instrument and a third contract involved the data development and analysis of the information for the 2008 General Elections. Work here was as a subcontractor of the federal contractor.

CONGRESSIONAL COMMITTEES PROJECT: (1977-1989). Served as Technical Consultant for the compilation of a database including pertinent information every assignment to Standing, Select and Special committees for every member, and for every Congress since 1789,. This project continues under the direction of Professor Garrison Nelson, Ph.D., at the University of Vermont at Burlington. The end result is a multiple volume reference work published by Congressional Quarterly of Washington, DC. This project was the recipient of a grant from the National Science Foundation for the period of 1980 and 1981.

VERMONT POLIDATA: (1974 to 1989). This was an independent venture that had been a part-time activity for the past several years and is now a part of my full-time activity. This entails various projects which revolve around the political scene in Vermont and the political data relating thereto. For example: the study of legislative voting behavior results in annual summaries of voting record analyses for the participants, the aspirants, and the observers of the political scene. These studies range from the individual to the collective perspective, from a mere recitation of the member's record to a comparative analysis on a range of issues or a rating of the member's record from the viewpoint of the Chief

Executive, or an interest group. The name was changed to Polidata during the 1990 redistricting cycle as more work was focused on states other than Vermont.

Other research studies include election analysis, historical trends in the state and the establishment of large data systems. For example, the establishment of a complete system for the efficient implementation of the election process for the office of the Secretary of State in Vermont (the Uniform System of Election Recording, or USER). Also, this type of work included the creation of a reapportionment analysis system for the Vermont General Assembly.

VERMONT ELECTIONS PROJECT: (1972-1989). This project also involved large data systems and revolved around the computerization of town-level election data for the state of Vermont for the period from 1828 to date. Contemporary data have been published in the form of *Primary and General Elections, Vermont, (for 1978, 1980 and 1982)*, published with the cooperation of the Secretary of State. Assignment here was Analyst and Editor.

PUBLICATIONS:

POLIDATA ® DEMOGRAPHIC AND POLITICAL GUIDES:

POLIDATA publishes volumes for both national and state markets. A few state series have covered volumes for every state, while a few have only seen volumes for a handful of states completed to date. Series and titles published include:

National Publications:

Election Reports:

PRESIDENTIAL RESULTS BY CONGRESSIONAL DISTRICT, 1992: 2 volumes; 1996: 1 volume; 2000: 1 volume; 2004: 1 volume

PRESIDENTIAL ELECTION, 1996: 3 volumes

PRESIDENTIAL ELECTION, 2000: 2 volumes

PRESIDENTIAL ELECTION, 2004: 2 volumes

CONGRESSIONAL VOTE, DISTRICTS BY COUNTY: 1992; 1996; 1 volume each

Demographic Reports:

DEMOGRAPHIC GUIDE TO THE U.S, STATES & COUNTIES, 2000 Census

DEMOGRAPHIC GUIDE TO THE U.S., DISTRICTS OF THE 108TH CONGRESS;
updated for the 109th and the 110th Congresses

POPULATION ESTIMATES, STATES AND COUNTIES: annually from 1995 to 2006

DEMOGRAPHIC BASE MAPS, COUNTY-BASED REGIONS

Political Reports:

APPORTIONMENT IN 2000, NATIONAL SUMMARY: annually from 1998 to 2000
APPORTIONMENT IN 2010, NATIONAL SUMMARY: annually from 2003

State Publications:

DEMOGRAPHIC ATLASES: 25 states for the 1990 census
DEMOGRAPHIC GUIDES: 25 states for the 1990 census; 50 for the 2000 census
DEMOGRAPHIC AND POLITICAL GUIDES: 3 states for the 1990 census
DEMOGRAPHIC ABSTRACTS: customized for a county for the 1990 census
POLITICAL GUIDES: 1 state
POLITICAL ATLASES: 1 state
ELECTION YEARBOOKS: 5 states through 1998
ELECTION HISTORIES: 48 states through 2003-2004; 20 updated to 2008/2009
POLITICAL HANDBOOKS: 50 states for the 2000 census

POLIDATA ® POLITICAL DATA ANALYSIS:

During the period from 1989 to date, most papers have been prepared directly for clients. However, some material has been published via Press Releases or as part of Remarks, Testimony. A few examples of material publicly available are listed below. Many are available at the website www.polidata.org. A few are annual releases, notably relating to apportionment projections; see the News page for more information: www.polidata.org/news.htm. Public comments at various meetings, including those at the National Conference of State Legislatures (NCSL) conferences are available as well.

February 1, 2006: *Jackson v. Perry et al., Amicus Brief in consolidated cases 05-204, 05-254, 05-276 and 05-439*. Submitted by Alan Heslop, Ph.D., et al. Coauthored brief for the U.S. Supreme Court in this case.

December 6, 2005: *The Impact of Citizen Apportionment*. Written testimony to accompany appearance as a witness before the U.S. House Committee on Government Reform. This was an exploratory hearing reviewing potential impacts of such a measure.

March 25, 2005: *Presidential Results by Congressional Districts, 2004. Preliminary Summary*. Published by Polidata. These results also published in the *Cook Political Report*, a national political newsletter and the *Almanac of American Politics*, published by National Journal.

December 10, 2004: *"Substantial Political Consequences, A Practitioner's Perspective on Redistricting"*. An article published in *Extensions*, by the Carl Albert Center at the University of Oklahoma.

September 4, 2004: *The Constitution, The Census & Overseas Americans*. Written testimony prepared for the U.S. House Committee on Government Reform.

March 4, 2004: *Apportionment and Fair Representation, When Equal Population Isn't Fair or Equal*. Written comments prepared for the Bureau of the Census Symposium, America's Scorecard, The Historic Role of the Census in an Ever-Changing Nation, held March 4-5 in Washington, DC.

March 17, 2001: *Presidential Results by Congressional Districts, 2000. Preliminary Summary*. Published by Polidata. These results also published in the *Cook Political Report*, a national political newsletter.

March 4, 2001: *Electoral Votes by Congressional District, 1952-2000*. Paper made available on the internet for political observers.

December 28, 2000: *Apportionment Review, 2000*. Paper made available on the internet for political observers.

April 28, 2000: Selected papers presented to the Redistricting Conference of the Republican National Committee, held in Washington, DC.

January 5, 2000: *Shifts in Congressional Seats: Reapportionment and the 2000 Census*. Television show aired on C-SPAN, one of two guests discussing the Apportionment of Seats in the U.S. House following the 2000 Census.

December 29, 1999: *New Population Estimates Confirm Power Shift in U.S. House; Colorado picks up a seat; Illinois drops a seat; Georgia picks up two seats*. Press Release on Apportionment of the U.S. House following the 2000 Census, with 1999 Estimates and Projections for 2000 by POLIDATA.

October 15, 1999: *An Update on the Census Case; Commerce General Counsel Responds to Congress*. Press Release on the Census Case, an update on the letter from the General Counsel of the Department of Commerce.

October 1, 1999: *An Update on the Census Case; Census Monitoring Board Congressional Members Release Report*. Press Release on the new report analyzing statistical problems with the Bureau's methodology.

January 28, 1999: *Redistricting is An Apportionment Purpose: The Census Case*. Press Release on the impact of the Census Case.

January 26, 1999: *Congressional Reapportionment: Winners and Losers in 2000; New Set of Population Projections Adds Colorado as a Winner*. Press Release on the Apportionment of the the U.S. House following the 2000 Census, with 1998 Estimates and Projections for 2000 by POLIDATA. [Updated following the Census Case on January 25, 1999.]

January 21, 1999: *Congressional Reapportionment: Winners and Losers in 2000; New Set of Population Projections Adds Colorado as a Winner*. Press Release on the Apportionment of the the U.S. House following the 2000 Census, with 1998 Estimates and Projections for 2000 by POLIDATA.

December 31, 1998: *Congressional Reapportionment: Winners and Losers in 2000; Population Estimates for July 1998 Detail Seats Shifts; Adjustment Still an Issue*. Press Release on the Apportionment of the the U.S. House following the 2000 Census, with 1998 Estimates.

November 3, 1998: *Brief of Amicus Curiae in Support of Appellees, U.S. Department of Commerce v. U.S. House of Representatives*, U.S. Sup. Ct., No. 98-404. co-authored with Mark Braden and Suvarna Rajguru.

February 8, 1998: *Congressional Reapportionment: Winners and Losers in 2000; Latest Population Estimates Detail Seats Shifts; Adjustment Still an Issue*. Press Release on the Apportionment of the the U.S. House following the 2000 Census, with 1997 Estimates.

January 1998: *Vote Goals, Projections of Registration and Turnout for 1998: with selected examples*. Political Analysis Notes, 98-1, Polidata, Lake Ridge, VA. An occasional newsletter.

October 1997: *Vote Goals, How Many Votes Do You Need to Win? Steps in Projecting Your Votes for Your District*. Political Analysis Notes, 97-3, Polidata, Lake Ridge, VA. An occasional newsletter.

September 16, 1997: *Comments on Race and Hispanic Origin Questions for the Census 2000 Dress Rehearsal*. Comments submitted to the Department of Commerce for the record.

September 12, 1997: *Remarks; 2000 Census Advisory Committee*. Washington, DC. Remarks on census adjustment through sampling and estimation submitted for the record.

September 1997: *Basics of the Census: Adjustment, Apportionment and Redistricting: Why do we even bother to count every person in America?* Political Analysis Notes 97-2, Polidata, Lake Ridge, VA. An occasional newsletter.

September 1997: *Was 1996 a Reprise of 1992? New Study Summarizes Results for States, Counties, Districts and Media Market*. Political Analysis Notes 97-1, Polidata, Lake Ridge, VA. An occasional newsletter.

August 7, 1997: *Remarks; Reapportionment Task Force, National Conference of State Legislatures*. Philadelphia, PA. Remarks on census adjustment through sampling and estimation submitted for the record.

September 26, 1997: *Remarks; 2000 Census Advisory Committee*. Washington, DC. Remarks on census adjustment through sampling and estimation submitted for the record.

September 5, 1996: *Confidence in Population Estimates from Sampling and Estimation Based upon the 1995 Test Census: A Preliminary Assessment*. Polidata, Lake Ridge, VA. An analysis of data from the 1995 Test Census and statistical error at various levels of census geography.

July 28, 1996: *Remarks; Reapportionment Task Force, National Conference of State Legislatures*. St. Louis, MO. Remarks on census adjustment through sampling and estimation submitted for the record.

??? 1994, Testimony before the Government Operations Committee, U.S. Senate, Washington, DC. Testimony on census adjustment and the Constitution.

October 5, 1992: *Jurisdictional Statement in Fund for Accurate and Informed Representation, Inc. (FAIR) v. Weprin*, U.S. Sup. Ct., No. 92-____. co-authored with Mark Braden.

POLITICS IN AMERICA, various volumes, Congressional Quarterly, Washington, DC. POLIDATA was the compiler of the Presidential Election Results by Congressional Districts (District Vote) which appear in selected editions of this biennial volume.

COMMITTEES IN THE U.S. CONGRESS, 1947-1992, VOLUMES 1 AND 2, with Garrison Nelson (as Technical Advisor), Congressional Quarterly, 1993 and 1994, Washington, DC.

PRE-1990 PUBLICATIONS:

"The 1986 Election in Vermont", with Frank M. Bryan, *Vermont History*, Fall 1988, Montpelier, Vt.

"Congressional Seat Shifts in the 1990 Reapportionment" and "How Congressional Seats are Assigned to States", REDISTRICTING LINES Newsletter, Volume 2, Number 1, Spring 1988, REPUBLICAN NATIONAL COMMITTEE, Washington, DC.

REPUBLICAN ALMANAC SERIES, 1987-1988: series editor for a series including *Republican Almanac*, 1987 (co-editor); and ELECTION SUMMARY, 1986-1987; Republican National Committee, Washington, DC.

STATE SUMMARY BOOKS, 1986, editor, Republican National Committee, Washington, DC.

"Impact of Gerrymandering on Marginal Elections", REPUBLICAN NATIONAL LAWYERS ASSOCIATION Newsletter, Volume 3, Number 1, Winter 1987, Washington, DC.

"Lawmakers Should Not Treat Election of Governor Too Lightly", Vermont Perspective editorial, *BURLINGTON (Vt.) FREE PRESS*, January 8, 1987, page 8A.

1984-1985 *Election Summary*, editor, Republican National Committee, Washington, DC.

"The 1984 Election in Vermont", with Frank M. Bryan, *Vermont History*, Fall 1985, Montpelier, Vt.

1985 *Republican Almanac*, editor, Republican National Committee, Washington, DC.

STATE SUMMARY BOOKS, 1984, editor, Republican National Committee, Washington, DC.

1984 *Republican Almanac*, co-editor, Republican National Committee, Washington, DC.

"The 1982 Election in Vermont", with Frank M. Bryan, *Vermont History*, Fall 1983, Montpelier, Vt.

Primary and General Elections, Vermont, 1982, editor, Vermont Secretary of State, Montpelier, Vt.

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"The Luck of the Draw: The Classification of Senators from Vermont", *Vermont History*, Summer 1981, Montpelier, Vt.

Primary and General Elections, Vermont, 1980, editor, Vermont Secretary of State, Montpelier, Vt.

Primary and General Elections, Vermont, 1978, editor, Vermont Secretary of State, Montpelier, Vt.

PROFESSIONAL AFFILIATIONS:

Vermont Bar Association.

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Clark H. Bensen

Biographical Summary

An attorney by training and a data analyst by practice, Clark Bensen has been involved in projects related to the art of politics for over thirty years. He has been involved in redistricting and census issues throughout the previous three reapportionment cycles and has developed political and census datasets for every state in the nation. His company, a demographic and political research firm, is also the publisher of the POLIDATA ® DEMOGRAPHIC AND POLITICAL GUIDES.

Originally admitted to practice before the courts of Vermont, and the Supreme Court of the United States, he has been part of the litigation teams for several appeals to the nation's highest court. This role has included work as a consultant to the legal teams as well as expert witness testimony in both state and federal courts. Work for the 1990, 2000, and 2010 redistricting cycles has involved a variety of specialized data projects and analyses in over 20 states.

As a data analyst familiar with both census and political data, he has developed countless political, demographic, and other datasets for analysis. Development of election datasets for every level of geography has been a specialty since 1974. For several projects he has been responsible for the establishment of a nationwide database of demographic and political information. Development of block-level datasets with combined census information and estimated political data are the key elements for many analyses related to districting and voting rights litigation.

Clark Bensen has been actively involved in elective politics for the past three decades. His participation has included service at every level of local, state and national politics, moving to Washington following the 1980 elections. He focuses on database development, analysis, and publication while developing political and census datasets for political stakeholders, the press, and academics as well as providing litigation support for politically-related legal actions.